CLASSIFICATION LITERATURE

3(1976) No. 1 (1496–1872)

The outline of the following survey of recent literature in the field of classification was published in Intern. Classificat. 2(1975) No. 2, p. 125. We would appreciate receiving preprints and reprints from the authors in order to deliver a quicker service on new publications in our field. An author and subject index of vols. 1–3 will be provided by the end of 1976.

0 Form Divisions

01 Bibliographies

1496 Food and Agriculture Organization of the United Nations. Terminology Reference Library: **Dictionaries and vocabularies, 1966–1973.** Roma: FAO 1974. 130 p.
Lists dictionaries and vocabularies as held in the library of the FAO arranged according to subject; altogether 813 items. Indexes.

1497 Häfner, C. (Ed.): **Inventory of thesauri.** (Bestandsverzeichnis Thesauri. Stand: 1.1.1976). Frankfurt: Deutsche Gesellschaft für Dokumentation. Dokumentationszentrum für Informationswissenschaften (ZDOK) 1976. 9 p.
Lists 193 thesauri arranged in 17 broad subject categories; sometimes more than one edition of a particular thesaurus is listed. There are about 53 thesauri in the German language, the different editions counted as one thesaurus.

1498 Kutten, A. (Ed.): **Thesauri Bibliography.** Haifa: Israel Institute of Technology 1975. 59 p.
Selective bibliography of 145 titles arranged according to subject headings.

03 Dictionaries, Terminologies

1499 Buchanan, B.: **A glossary of indexing terms.** London: C. Bingley, Hamden, Conn.: Linnet Books 1976. 144 p., £ 3.45
Contains nearly 1000 detailed entries in the field of classification and indexing; in each case, definitions, examples (where necessary) and related terms are given.

1500 **Concerning thesaurus terminology.** In: Intern. Classificat. 2(1975) No. 2, p. 111–112
Brief introduction into the policy of the "Terminology Corner" of International Classification and presentation of the specific thesaurus terminology as used in D. Soergel's "Indexing languages and thesauri. Construction and maintenance". Los Angeles 1974.

1501 Gorkina, N. S., Kravčenko, N. D.: **The use of the terms 'classification' and 'thesaurus'.** (Transl. from Russian). In: Automatic Documentation & Math. Linguistics 8(1974) No. 4, p. 33–38, 18 refs.

1502 Komitee Terminologie und Sprachfragen der Deutschen Gesellschaft für Dokumentation; Neveling, U., Wersig, G. (Ed.): **Terminology of Information and Documentation.** (In German with English and French equivalents). München: Verl. Dokumentation 1975. 307 p.
ISBN 3-7940-3625-5; = Schriftenreihe der DGD, Bd. 4
Systematic elaboration of terms and definitions in the area of information science, however, without the terms denoting kinds of documents. There are about 350 terms for the field of classification, 95 of which have been newly introduced on account of the systematic arrangement of the terminology. This holds for the German as well as for the English and French language.

04 Classification Systems and Thesauri

041 Universal Classification Systems

1503 Aitchison, J. (Ed.): **Unesco Thesaurus.** Paris: Unesco 1975. (Draft edition).
A faceted classification comprising the following six sections: A. General; B/H Science and Technology; J. Education; K/X Social Sciences, Humanities and Culture; Y. Communication; Z. Documentation.

1504 **JICST Thesaurus.** (In Japanese). Tokyo, Japan: Information Center for Science and Technology 1975. 844 + 181 p., 7,000 yen
Comprises altogether 33 998 terms of which 29 173 are descriptors and 4 825 are non-descriptors from the fields of science and technology, excluding medicine, agriculture and biology. Arrangement in two parts (alphabetical and a subject category index, 181 pages).

042 Universal Decimal Classification, UDC

1505 **Cumulated UDC Supplement 1965–1975.** Vol. I: Auxiliaries + Classes 0/3, Vol. II: Class 5, Vol. III; Classes 6/62, Vol. IV: Classes 63/676, Vol. V: Classes 677/9. The Hague, Netherlands: International Federation for Documentation 1976. 548 p. Hfl. 250,–; = FID-543; ISBN 92-66-00543-6 (5 volume set)
This cumulation comprises the contents of Extensions and Corrections to the UDC from 1965–1975, that is, Series 6, 7, 8 and No. 1 of Series 9. The presentation is in either English, French or German, depending on the proposals accepted.

1505a **Classificaçao Decimal Universal. Ediçao Desenvolvida em Lingua Portuguesa. 32 Politica.** (In Portuguese) Rio de Janeiro: Inst. Brasil. de Bibliogr. e Doc.; Lisboa: Centro de Doc. cient. 1976. 39 p. US $ 6,– = FID Publ. 342
UDC Full Edition of class 32 – Politics processed automatically by the system ELCDU 3, tables as well as index.

044 Library of Congress Classification, LCC

1506 Savage, H. (Ed.): **Library of Congress Classification schedules: cumulations of additions and changes through 1973.** Detroit, Mich.: Gale Research Co. 1973. ISBN 0-8103-0765-0, $ 650,–
A set of 32 cumulations to be used in addition to the existing schedules.

1507 Elrod, J. M. et al (ed.): **An index to the Library of Congress Classification,** with entries for special expansions in medicine, law, Canadiana and non-book materials. Ottawa, Canada: Canadian Libr. Assoc. 1974. III, 1342, 84 p.

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(order follows the divisions as given in I. C. 75–1, p. 36)

1508 International Atomic Energy Agency: **INIS Subject categories and scope descriptions. Rev. 4.** Wien: IAEA 1975. 72 p. = IAEA–INIS–3 (Rev. 4)
To be used for literature classification by national and regional centres of INIS and applied in the arrangement of entries in the INIS atom index as well as on the INIS magnetic tapes.

1509 United States Energy Research and Development Administration (ERDA): **Subject indexing and retrieval thesaurus.** Oak Ridge, Tenn.: ERDA 1975. 573 p.

1510 Verband Deutscher Elektrotechniker (VDE). Zentralstelle Dokumentation Elektrotechnik (ZDE): **ZDE-Thesaurus.** A list of contents-related terms for the encoding and retrieval of electrical literature. 2nd. ed. (In German). Offenbach: ZDE 1976. 324 p.
Contains less descriptors and non-descriptors than the first edition, there are now 7200 descriptors and around 340 non-descriptors for around 6150 concepts. Alphabetical arrangement.

1511 **Thesaurus Hydrologie.** (In French). Paris: CNRS, Service de Documentation et de Cartographie Géographique 1975. 134 p.

1512 Linebaugh, R. M.: **1975 Revision to the Thesaurus for EDU Diving Information Center (DIC).** Columbus, Ohio: Battelle Columbus Laboratories 1975. 66 p. = SUPDIV Report 3–75
With inputs from the data bases at Diver Equipment Information Center at Battelle Columbus Laboratories and the Undersea Medical Society as well as internal EDU inputs a thesaurus was developed compatible with the indexing terms used in these systems so far.

1513 Brinn, D. G.: **The Strip Mills Division thesaurus of indexing terms.** Sheffield, England: British Steel Corp. 1974. 88 p. NTIS: PB-238 173; Report SM/622/1.

1514 **Thesaurus of terms for rural extension.** Rev. ed. Reading, England: University of Reading. Agricultural Extension and Rural Development Centre Doc. Service 1974. 1 Vol. (unpaged)
Alphabetical and classified list.

1515 Kencchoveli, M. S., Sechniašvili, N. G., Lacabidze, L. S., Majdyč, M. S., Chačatyrova, S. T., Comaja, I. B.: **Information retrieval thesaurus for the tea industry.** (In Russian). Tiflis: Grus. NII NTI 1973. 232 p. (Manuscript deposited at GrusNIINTI No. 2, Jan. 1974)
The thesaurus comprises 1 107 terms, of which 1020 are descriptors and 87 keywords, arranged in (1) alphabetical sequence, (2) classified sequence and (3) a hierarchical relations index.

1516 Forget, J. P.: **Population and family planning classification.** London: International Planned Parenthood Federation 1975. 106 p.
A decimal scheme with the following divisions: 0 General reference, 1 International Planned Parenthood Federation, 2 Family planning and maternal and child health and care, services and practice, 3 Biomedical study and research on human reproduction and contraceptive agents, 4 Social sciences related to family planning, 5 Education and training, 6 Information and communication, 7 International organisation and conferences, 8 Countries, 9 Index.

1517 National Library of Medicine: **Medical subject headings: tree structures, 1975.** Final edition. Bethesda, Md.: National Library of Medicine 1975. 434 p. = NLM-MED-75-04, NTIS: PB-240 826
Hierarchical order of all medical subject haedings currently in use by the NLM's indexers, catalogers and searchers.

1518 National Library of Medicine: **Medical subject headings: annotated alphabetic list, 1975.** Final ed. Bethesda, Md. National Library of Medicine 1975. 590 p. = NLM-MED-75-05, NTIS: PB 240 829
The alphabetic listing includes subject headings (MeSH terms), cross references, geographic headings, non-MeSH terms and indexing instructions.

1519 **Chirurgical language in cancer research.** (In French). Paris: Minist. santé, I.N.S.E.R.M. 1975. 124 p., 7 refs.

1520 **ILO Thesaurus/Thesaurus BIT/Tesauro OIT.** Geneva: International Labour Office 1976. 198 p., SwF 45,–
Presentation of descriptors in semantic groupings preceded by a listing of subject category fields, also useable as a table of contents. Alphabetical indexes in English, French and Spanish.

1521 Beck, C., Dym, E. D., MacKechnie, J. T.: **Political Science Thesaurus.** Washington, D. C.: American Political Science Association (APSA) 1975. 471 p.
Contains 23 207 terms in three sections: (1) terms, (2) printed index, (3) hierarchical index.

1522 **Thesaurus for economic and social development** (In German). Vol. 1: Structured part, Vol. 2: Alphabetical part. 6th ed. Bonn: Deutsche Stiftung für internationale Entwicklung. Zentrale Dokumentation 1975. 311 p.
Related to the OECD Macrothesaurus and serving also as a macrothesaurus for the supplementary thesauri of the regional documentation centers for Afrika, Asia, Latin America and the Middle East. Contains 2580 descriptors and 1484 non-descriptors in 19 "word-fields" and 105 "word-groups". The descriptors are provided with notations.

1523 Hövelborn, P. et al: **Thesaurus Stadtplanung/Raumordnung.** Vol. 1: Subject-oriented part, Vol. 2: Alphabetical part. (In German). 2nd ed. Stuttgart: Universität, Städtebauliches Institut 1975. 417 p.
Vol. 1 organizes "wordfields" in 22 hierarchically divided groups. First ed. 1972.

1524 **DDC retrieval and indexing terminology.** Alexandria, Va.: Defense Documentation Center (DDC) 1975. 2 vols. 1344 p. = AD-A001 200
Revised version of the edition of Jan. 1974. Alphabetical and hierarchical index. Includes about 92 000 posting terms.

1525 **Thésaurus des sciences et de la technologie de la construction.** Vol. 1: Introduction, Vol. 2: Répertoire alpha-hierarchique, Vol. 3: Répertoire alpha-permuté, Vol. 4: Répertoire des sigles. Montreal: Groupe Latin 1975. 622 p.

1526 **Maschinenbau-Thesaurus.** (Thesaurus for mechanical engineering). 4th ed. Frankfurt: Dokumentation Maschinenbau (DOMA) 1975. 695 p.
Contains about 20 000 terms for about 15 000 concepts. Thesaurus maintenance is accomplished using an enlarged programming system of IDC (International Documentation for Chemistry).

1527 Engel, M. L., Allen, N. K. van: **NHTSA/SASI cooperative thesaurus of highway and motor vehicle safety literature terms.** Washington, D. C.: U. S. Department of Transportation, National Highway Traffic Safety Administration 1973. 1041 p.
Around 7500 search terms and 814 use-references in the subject areas described by vehicles, their parts, design, reliability, legal aspects, functions, and users; accidents; law enforcement; traffic engineering and science, including traffic flow; highway design

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and use; drivers; public transportation; transportation and land-use planning; vehicle air pollution a. o.

1528 **Thesaurus of computing terms.** 7th ed, Manchester, England: National Computing Centre (NCC) 1975. 400 p., £15,–, ISBN 0-85012-125-6
Contains more than 8500 structurally related descriptors. Presented in a new compact form using computer typesetting direct from the master file of NCC's own information retrieval system. Alphabetic listing and hierarchic listing. Provision by regular updating through users.

1529 Hinwood, E. V.: **Classification tables for religion in the library of St. John Vianney National Seminary.** In: South African Libr. 42(1974) No. 1, p. 15–22.
Dissatisfaction with Dewey 200 lead to a new arrangement of classes for works on rleigious topics. This arrangement is set out in detail.

05 Periodicals and Serials

1530 **International Journal of General Systems** Gordon & Breach Science Publ. Inc., New York Vol. 1 (1974) No. 1. George J. Klir (Ed.) Institutions US $ 48.–, Individuals $ 14.50.

06 Conference Reports, Proceedings

1531 **Introduction problems of the Library-Bibliographical Classification.** Collected Papers. Vol. II Proceedings of the Conference of Library Guidance Centres on the Introduction of the LBC, Moscow, 2–5 Oct. 1972. – Moskva 1974. 116 p. (In Russian).
1532 Il'ina, R. B.: Structural analysis of the LBC: work experience. – 1533 Suchmaneva, E. G., Suslov, A. K.: On the methodology of LBC faceting: a case study on Class B6 "Astronomy". – 1534 Mišin, V. A.: Relators and the feasibility of their application in the LBC. – 1535 Fadičeva, E. N.: Methods of document indexing by the LBC for computer searching. – 1536 Litvinenko, L. I.: Some proposals for optimising tables of common subdivisions of place. – 1537 Litvinenko, L. I., Denisenko, E. S.: Toward optimisation of tables of common subdivisions of place: a review of letters from libraries using the LBC. – 1538 Borod'ko, R. G.: Semantic categories of "Antiquity" common subdivisions of place in the LBC tables. – 1539 Büttner, G.: Aspects of application of the main array in the Soviet Library-Bibliographical Classification when used in the GDR Libraries. – 1540 Kostjukova, I. I.: Some experience in conversion to the LBC – the Timiryazev Regional Research Library of the Ukrainian SSR, Vinnitsa. – 1541 Byk•va, Z. V.: Practical experience in converting a classified catalogue to the LBC – the Lenin Military-Political Academy Library. – 1542 Dorofeeva, N. A.: Carrying out the resolution of the Meeting of Library Methodological Guidance Centres on LBC application. – 1543 Chlystalov, S. I.: Preparation of a new edition of Fascicle XVIII of the LBC.
(For vol. I see No. 829 – in Intern. Classificat. 2(1975) No. 1, p. 57)

1544 **Der Wissenschaftsbegriff in den Natur- und in den Geisteswissenschaften.** (The concept of science in the natural sciences and in the humanities.) Symposium of the Leibniz-Gesellschaft, Hannover, 23–24 Nov. 1973. (In German). In: Studia leibnitiana, Sonderheft 5. Wiesbaden: F. Steiner Verlag 1975. 302 p.
Contains the text of the following 12 lectures and their discussions: 1545 Diemer, A.: Der Wissenschaftsbegriff in den Natur- und Geisteswissenschaften. – 1546 Poser, H.: Der Wissenschaftsbegriff der Mathematik. – 1547 Mittelstaedt, P.: In der Heilkunde wirksame Begriffe von Wissenschaft und die Frage nach einem möglichen Wissenschaftsbegriff der Medizin. – 1549 Herrmann, T.: Der Wissenschaftsbegriff der Psychologie. – 1550 Weinberger, O.: Der Wissenschaftsbegriff der Rechtswissenschaften. – 1551 Lenk, H.: Epistemologische Probleme der Soziologie zum „Wissenschaftsbegriff" der Soziologie. – 1552 Schnädelbach, H.: Der Wissenschaftsbegriff der Philosophie. – 1553 Sauter, G.: Der Wissenschaftsbegriff der Theologie. – 1554 Acham, K.: Der Wissenschaftsbegriff der Geschichtswissenschaft. – 1555 Petöfi, J.: Der Wissenschaftsbegriff der Linguistik. – 1556 Schmidt, S. J.: Wissenschaftstheoretische Probleme einer theoretisch empirischen Literaturwissenschaft.

1557 Horsnell, Verina (Ed.): **Informatics 2.** Proceedings of a Conference held by the Aslib Co-ordinate Indexing Group on 25–27 March 1974 at New College Oxford. London: Aslib 1975. 100 p. SBN 85142 071 0
Contains the texts of 13 papers, one introduction and 5 summaries. The papers are preceded by a summary. 1558 Jones, K. P.: Informatics: The Fairthorne contribution. – 1559 Petyt, K. M.: Derivational morphology: grammar or lexicon? – 1560 Gregory, S. A.: The shape of ends and means: some aspects of morphological analysis. – 1561 Johnson, R. L., Knowles, F.E., Keil, G. C.: Towards the definition and implementation of work-handling procedures in the context of a programming system for linguistic and literary computing. – 1562 Masterman, M.: Chasing the Enthymeme: Part 2: The nature of a philosophic text-editor. – 1563 Brookes, B. C.: The fundamental problem of information science. – 1564 Belkin, J. N.: Towards a definition of information for information. – 1565 Heywood, V. H.: Contemporary philosophies in biological classification. – 1566 Harper, R.: Odour characterisation and odour classification. – 1567 Becket, P.: Terrain classification and its role in a regional data store. – 1568 Sager, J. C.: Classification and hierarchy in technical terminologies. – 1569 Light, U. E. K.: The principle of interdependent incompatibility – a new postulate. – 1570 Parker-Rhodes, A. F.: Some fallacies concerning structured content. – 1571 Jones, S.: The study of lexis through collocation.
Summary of the papers of: Montgomery, Ch.: Automated data base generation from natural language text. Gilchrist, A.: A worm's eye vie of information retrieval – some practical problems. Langridge, D.: A classification for the humanities. Kiss, G. R.: An associative thesaurus of English. Grolier, E. de: In search of empirical bases for the classification of knowledge.

1572 Nesterova, V. F.: **A unified system of information retrieval languages in an international system for scientific and technical information (ISSTI).** In: Automatic Documentation and Mathematical Linguistics 8 (1974) No. 4, p. 92–96 (Transl. from Russian).
Report on an international symposium held by the International Center for Scientific and Technical Information, 10–12 Sept. 1974, Moscow. About 150 specialists from Bulgaria, Hungary, GDR, Poland, the USSR and Czechoslovakia, as well as representatives from UNESCO and the ICSTI participated, more than 30 papers were presented.
The recommendations approved ICSTI's approach to solving the problem of language compatibility within the ISSTI by creating a Unified Information Retrieval Language System including standards, technolgocial normative regulations, and methods governing the development and utilization of IRL apparatus in the ISSTI, as well as the normative list of upper-level concepts, the kernel (macrothesaurus) of the System.

1573 **Report of a Meeting of the European Branch (of The Classification Society) 1 October 1974, on Mathematical Models in Classification.** In: Classificat. Soc. Bull. 3(1975) No. 3, p. 35–37.
Report on the papers and discussions of the three speakers: G. J. S. Ross, M. O. Hill and Mrs. P. F. M. Smartt.

1574 **The Third International Study Conference on Classification Research, Bombay, 6–11 Jan. 1975.** In: Ann. Lib. Sci. & Documentation 22(1975) No. 1, p. 1–2
Report from the editors of the Annals.

1575 Spiegel, H.-R.: **Present tasks of language. Problems of scientific and technical communication in education and profession.** (In German). In: Zeitschr. f. germanistische Linguistik 3(1975) No. 3, p. 343–348

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Report on a conference of the Verein Deutscher Ingenieure (VDI) at Düsseldorf, March 6–7, 1975.

1576 Leclercq, H.: **Collaboration internationale dans le domaine de la terminologie scientifique et technique.** Le Symposium d'Infoterm, Vienne 9–11 avril 1975. In: Intern. Classificat. 2(1975) No. 2, p. 102–104.
Gives an account of the papers presented and concentrates concludingly on the recommendations and proposals of this conference.

1577 International Information Centre for Terminology: **International Co-operation in Terminology.** First Infoterm Symposium, Vienna, 9–11 April 1975. München: Verlag Dokumentation 1976. 332 p. = Infoterm Series 3
Contains the list of participants and of presented papers, the Agenda, the opening and introductory lecture (in E and F) and the full text of the 26 papers presented (some of them in E and F) as well as the text of 8 other submitted papers. Discussions, recommendations and proposals are also included. The following papers are of particular relevance: 1578 Wüster, E.: International activity in terminology: 75 years of research – foundations and challenge for the rest of the century. – 1579 Agron, P.: C'est un métier que fabriquer des mots. – 1580 Dahlberg, I.: The terminology of subject-fields. – 1581 Hoffmann-Ostenhof, O.: Biochemical terminology – an example for successful international co-operation in the natural sciences. – 1582 Lane, A.: La terminologie juridique et administrative dans les relations internationales. – 1583 Martin, P. R.: Presentation du vocabulaire eletrotechnique international. – 1584 Rigby, M.: Statement of WMO representative. – 1585 Spang-Hanssen, H.: The role of linguistics in terminological work. – 1586 Bachrach, J. A.: Méthodologie et problèmes de la traduction au sein d'une institution européenne. – 1587 Berner, K. E.: Principes et possibilités d'une cooperation internationale entre organismes et terminologie. – 1588 Gendron, J.-D.: L'activité linguistique et terminologique de la régie de la langue française. – 1589 Lang, F.: Automation der Terminologiearbeit. Wege und Möglichkeiten. – 1590 Rohaert, A.: Vers un réseau international de terminologie. – 1591 Tchirikoff, A.: United Nations terminological activities. – 1592 Beling, G., Wersig, G.: The implementation format MATER. The structure and the catalogue for thesauri. – 1593 Brinkmann, K. H., Tanke, E.: The TEAM program and international cooperation in terminology. – 1594 Laurent, J. S. F.: NORMATERM: sa conception, son exploitation et sa place dans le réseau international d'information sur les normes. – 1595 Paré, M.: Les banques automatisées de terminologies multilingues et les organismes de normalisation. – 1596 Sundström, E.: Word bank building and terminological policy. – 1597 Guilbert, M. L.: La relation entre l'aspect terminologique et l'aspect linguistique du mot. – 1598 Leclercq, H.: Quelques problèmes concernant la terminologie scientifique d'origine grecque. – 1599 Stoberski, Z.: To help translators and UNISIST – sections for neologisms within world-wide Infoterm-network of terminology centers. – 1600 Abraham, W.: Theoretical problems of thesaurus building with particular reference to concept formation; (in German). Felber, H.: Developing international cooperation in terminology and terminological lexigraphy. – 1601 Horsnell, V.: International cooperation via an Intermediate Lexicon. – 1602 Schewe, H. U.: International work and co-operation in the field of terminology of information and documentation. – 1603 Spiegel, H.-R.: Language and technology in VDI. – 1604 Tscherne, F.: Bericht über internationale Terminologiearbeit im Bereich „Sport".

1605 Webster, R.: **Report of a Meeting of the European Branch (of The Classification Society), 10 April 1975, on Soil Classification.** In: Classificat. Soc. Bull. 3(1975) No. 3, p. 38–41
Report on the papers and discussions of the three speakers: R. Webster, S. G. McRae and P. H. T. Beckett.

1606 Schürkens, H.: **Material data management today and tomorrow – A NATO Symposium at Copenhagen.** (May 1975) In: Intern. Classificat. 2(1975) No. 2, p. 105–106.
Explains shortly the Classification for supply items and its intended use. Rough account of the 5th NATO Symposium on Codification of Equipment.

1607 Vicentini, A. L. C.: **Classification at the 8th IBBD Congress, Brasilia.** In: Intern. Classificat. 2(1975) No. 2, p. 107
Short report on the classification events of the 8th IBBD Conference from July 20–26, 1975 in Brasilia as realized in courses, lectures, submitted papers and meetings.

1608 Dahlberg, I.: **5th International Congress on Logic, Methodology and Philosophy of Science, Canada.** In: Intern. Classificat. 2(1975) No. 2, p. 107–108
Very short report on the above mentioned Congress taking place in London, Ont., Aug. 27–Sept. 2, 1975, stressing mainly the classification relevant topics.

1609 Documentation Research and Training Centre (DRTC): **Seminar on thesaurus in information systems.** Bangalore, 1–5 Dec. 1975. Bangalore, India: DRTC and Insdoc 1975. 203 p., $ 12,–.
Contains the following 21 papers: 1610 Neelameghan, A.: Non-hierarchical associative relationships: their types and computer generation of RT links. – 1611 Ghose, A., Dhawle, A. S.: Theoretical foundations of thesaurus construction. – 1612 Rajan, T. N.: "Related terms" in thesauri. – 1613 Raizada, A. S., Satyanarayana, R., Ramachandran, M., Yash, P.: Cross referencing and thesaurus maintenance. – 1614 Gopinath, M. A., Prasad, K. N.: Thesaurus and classification scheme: a study of compatibility of principles for construction of thesaurus and classification schemes. – 1615 Chandran, D.: Candidate terms for a thesaurus: a case study of sources of terms in the field of library and information science. 1616 Roy, P. B., Banerjee, S. B.: Basic considerations for desingning a thesaurus for an information system for social science subjects with special reference to Jute trade. – 1617 Seetharama, S.: Term-concept relationships in an information retrieval thesaurus. 1618 Schwanhäuser, G.: An automatically produced thesaurus. 1619 Ravichandra Rao, I. K.: Semi-automatic construction of thesaurus. – 1620 Shephard, M., Watters, C.: Computer generation of thesaurus. – 1621 Prasad, K. N., Mahajan, S. K., Thyagarajan, K.: Work and time analysis for rendering terms in a thesaurus derived from a faceted classification schedule: a case study with lathe production. – 1622 Kumar, S. K., Raghavendra Rao, M. K., Kamath, V. A.: Thesaurus – an ideal tool for vocabulary control in post-coordinate systems: INIS thesaurus – a case study. – 1623 Malwad, N. M.: Query formulation and feed-back study for a thesaurus-based information system. – 1624 Anjaneyulu, V.: NASA thesaurus in information retrieval. – 1625 Joshi, P. G.: Utilisation of a specific subject thesaurus in computer-based IR systems: a case study. – 1626 Padmanabhan, V. S., Amba, K. N.: Some factors to be considered in the compilation of a thesaurus for leather and allied industries. – 1627 Gupta, D. K., Tripathi, G. N.: Exploration and production of thesaurus: its helpfulness in indexing in a library and information system. – 1628 Harsha, Parekh: The Unesco-IBE education thesaurus: an evaluation. – 1629 Roy, A. K.: Indexing vocabularies in glass technology and need for an information retrieval thesaurus: a pilot study.

07 Textbooks (whole field)

1630 Maltby, A.: **Sayer's Manual of Classification for Librarians.** 5th ed. London: Deutsch 1975. 336 p., around 90 refs.
According to Maltby the revision process of the former Manual by Sayer has been taken "much further ... it is virtually a new work". Wide-ranging account of classification theory and policy within the present-day library context. Textbook for a course on classification extending over a semester or a full academic year. See also review in this issue of I. C.

1631 Manheimer, M. L.: **Cataloging and classification.** A workbook. New York: Dekker 1975. 148 p. = Books in Library and Information Science 12.

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Deals with the international standard bibliographic description (ISBD), the choice of entry, the form of entry, the Dewey Decimal Classification, the Library of Congress Classification and subject headings.

1632 Brown, A. G. (in collaboration with D. W. Langridge and J. Mills): **Introduction to subject indexing, a programmed text.** Vol. I: Subject analysis and practical classification. London: C. Bingley; Hamden, Conn: Linnet Books 1976. 202 p. £ 3.50
202 frames for self-teaching use in practical "subject indexing" on the basis of the facet formulas as used with the Colon Classification.

08 Other Monographs

1633 Kedrow, B. M.: **Klassifizierung der Wissenschaften.** Vol. 1 (Classification of the sciences). Moskau: Verlag Progress 1975. 517 p., 4.18 Rubel.
German translation of vol. 1 of "Klassifikacija nauk" which appeared 1961–1965. Contains two parts: 1. The pre-Marxistian problems of the classification of the sciences; the coordination of the sciences and the rise of the principle of subordination. 2. The Marxistian solution of the problem by Engels. The principle of the subordination of the sciences.

1634 Nacke, O.: **Ordering systems for documentation of medical literature.** (In German). In: Koller, S., Wagner, G. (Eds.): Handbuch der medizinischen Dokumentation und Datenverarbeitung. Stuttgart–New York: F. K. Schattauer Verlag 1975. p. 1216–1255, 104 refs.
Introduction into the knowledge about classification in general and as needed in medical documentation.

1635 Schneider, K.: **Computer aided subject index system for the life sciences.** München: Verlag Dokumentation 1976. 205 p., ISBN 3-7940-2810-4
Practical aid aimet at a consistent forming of phrases for the subject indexing with phrases as accomplished by the abstract journal "Food Science and Technology Abstracts (FSTA)". In this "system" the computer sorts and merges the data for monthly and annual indexes and prepares the data for photocomposition to produce a printed subject index. It was called CASIN (*C*omputer *A*ided *S*ubject *IN*dex system).

1 Theoretical Foundations of Classification

12 Conceptual Basis of Classification

1636 Balk, M.: **Classification calculus, classification system and International Patent Classification** (In German). In: Wirtschaftspraxis (1975) No. 10, p. 239–301
Shows how a syntactical calculus for the elements of classification systems may be constructed and combined with a semantical calculus. With the conceptual instruments thus derived it is shown why the International Patent Classification may not be regarded as a true classification system.

1637 Löhr, H.: **Analysis of a concept structure – a contribution to the determination of a descriptor.** (In German). In: Informatik 22(1975) No. 5, p. 28–33, 8 refs.
Intension and extension of a concept help to identify in an equivalence class of terms the one term that best represents the contents of a concept. An additional help for the representation of hierarchical relations to related terms may be gained from a suitable decision table.

1638 Panova, N. S., Šreider, Yu. A.: **The symbolic nature of classifications.** In: Automatic Documentation and Math. Linguistics 8(1974) No. 4, p. 64–74 (Transl. from Russian)
Classification theory must be connected with the study of the symbolic function of classification, also for the sake of a typology of classifications. Such a typology will assist in the explicit formulation of the correlation between a classification system and a thesaurus.

1639 Sartori, G., Riggs, F. W., Teune, H.: **Tower of Babel. On the definition and analysis of concepts in the social sciences.** Pittsburgh, Pa.: International Studies Association 1975. 107 p. = Occasional Paper No. 6
The volume consists of an introduction, three papers and a conclusion aiming at overcoming the "terminological chaos persisting in the social sciences" by clarification of the factors involved: what are terms, concepts, definitions, how can concepts be analyzed, what kinds of relationships exist between concepts etc. The project has evolved out of the work of the Committee on Conceptual and Terminological Analysis (COCTA) of the International Political Science Association.

1640 Semenjuk, E. P.: **Methodological role of universal scientific categories and approaches in information science.** (In Russian). In: Naučn. techn. inform., Ser. 2 (1975) No. 2, p. 8–12, 26 refs.
Role of unconventional concepts, like 'system', 'structure', 'function', 'information', 'model', 'probability' and the like is examined with regard to information science.

13 Mathematics of Classification

See also 1573, 1681, 1701

1641 Arapov, M. V., Efimova, E. N., Šrejder, Yu. A.: **Significance of rank distributions.** (In Russian). In: Naučn. techn. inform., Ser. 2 (1975) No. 1, p. 9–20, 17 refs.

1642 Crawford, R. G.: **The computation of discrimination values.** In: Inform. Processing & Management 11 (1975) No. 8–12, p. 249–253, 5 refs.
The usefulness of discrimination value in automatic construction of dictionaries for information retrieval had been shown. While discrimination value is defined in the literature, no specific explanation of its computation is given. The paper contains a discussion of the computation of discrimination value, an algorithm is presented as well as an example.

1643 Hlavac, T.: **Bibliographical classification with the help of graph theory.** (In Czech.) In: Knižnice a ved. inform., Bratislava 7(1975) No. 1, p. 4–18, 2 refs.

1644 Nistor, E., Roman, E.: **Documentation oriented algorithms.** Pt. I: Mathematics in documentation. In: Probl. de inform. doc., Bukarest 9(1975) No. 1, p. 30–51
Examination of the mathematics contribution in the development of the theory of documentary information activity, indexing and classification.

14 Systemology and classification

See also 1530

1645 Borrione, D.: **System analysis by use of classification techniques.** In: Goos, G., Harmanis, J. (Eds.): Operating systems. Proc. Intern. Symposium, Rocquencourt, April 1974. New York: Springer Verlag 1974. p. 30–55

1646 Czayka, L.: **Systemwissenschaft.** (Systemology) (In German). München: Verlag Dokumentation 1974. 110 p., 72 refs. = UTB 185
Contains the following 3 chapters: Introductory remarks on the delimitation of scientific disciplines (treating the criteria of objects, problems, methods, language of study, interdisciplinary

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research); Fundamentals of systemology (concepts, kinds of systems and characteristics of systems) and Some remarks concerning the use of system concepts in economics.

16 Development of Science and Classification

See also 1608, 1633

1647 Albrecht, E.: **Methodological aspects of the classification of the sciences.** (In French). In: Organon (1974) No. 10, p. 19–23
Discussion of the interrelations between philosophy and the special sciences and of the significance of each science which is seen as a product and as a means of cognition.

1648 Britain, I. C. S.: **Classification and culture.** In: Austr. Acad. Res. Libr. 6(1975) No. 1, p. 31–44, 46 refs.
An attempt is made to look at classification and subject indexing in the context of culture as defined by sociologists.

1649 Engelhardt, W. v.: **Geoscience and its significance for the future of civilization.** (In German). In: Geol. Rundschau 63(1974) No. 3, p. 793–819
Contains a very interesting section also on "Outline, methods and epistemological purpose of geoscience" with a table "object-related research trends in geoscience".

1650 Guha, B., Sen, B. K., Neogi, R. N.: **On change of titles of periodicals, Pt. 1.** In: Annals of Libr. Sci. & Documentation 22(1975) no. 2, p. 45–59
Based on a sample of 1000 periodicals which changed title at least once, the nature and pattern of change of about 200 titles are analysed and displayed under five broad categories, thus showing, among others, also the development of science and the development of concepts.

1651 Haar, U. de: **Contribution to the problem of the systematic order and classification of water research.** (Beitrag zur Frage der wissenschaftssystematischen Einordnung und Gliederung der Wasserforschung.) (In German). In: Beitr. z. Hydrologie (1974) No. 2, p. 85–150
So far the systematization of hydrology has been accomplished within the field of geography and geophysics, with biology and engineering (Wasserbau) being also involved. It is discussed and outlined that hydrology together with its application fields (water technology etc.) may be regarded as an autonomous subject area of the geosciences.

1652 Lenk, H., Moser, S. (Eds.): **Techne. Technik. Technologie.** Philosophische Perspektiven. (In German). München: Verlag Dokumentation 1973. 247 p. = UTB 289
Seven authors investigate the nature of technique – technology. So far technicians have created and produced, however, they did not reflect what resulted from their work. Hence there does hardly exist a philosophy of technology which might also support a better understanding of the interrelations of technology with science and the systematization of its concepts. The contributions: 1653 Moser, S.: Kritik der traditionellen Technikphilosophie. Rumpf, H.: Gedanken zur Wissenschaftstheorie der Technikwissenschaften. – 1654 Rapp, F.: Technik und Naturwissenschaften – eine methodologische Untersuchung. – 1655 Hübner, K.: Philosophische Fragen der Technik. – 1656 Ropohl, G.: Prolegomena zu einem neuen Entwurf der allgemeinen Technologie. – 1657 Niederwemmer, U.: Programmatische Skizze für eine Sozialphilosophie der Technik. – 1658 Lenk, H.: Zu neueren Ansätzen der Technikphilosophie. – Auswahlbibliographie.

1659 Timm, A.: **Introduction into the history of science.** (Einführung in die Wissenschaftsgeschichte) (In German). München: W. Fink Verlag 1973. 149 p., 44 refs, annotated. = UTB 203
The science concerned with the history of the sciences is of particular relevance to those interested in the study of the relations of the sciences and their representation in a classification system. The booklet explores the foundations (history of concepts, etc.), the relationships with science (organisation, communication, didactics, society) and features regarding science-history of recent times.

17 Classification Problems

1660 Dobrovits, A.: **Some thoughts on MARC.** In: Austr. Libr. J. 24(1975) No. 1, p. 20–26, 2 refs.
Among other items the probable effects of total acceptance of centralized cataloging is discussed, especially regarding the quality of subject cataloging.

1661 Korsunskaja, G. V.: **Classification of multidisciplinary problems.** (In Russian). In: Naučn. techn. inform. Ser. 1(1974) No. 12, p. 10–13, 39
Discussion of the VINITI classification scheme for multidisciplinary problems regarding its goals, tasks and requirements, classification design philosophy and format as well as notation. Vertical entries on the left give names of disciplines and industries; horizontal entries give objects of study and utilise the respective objects and the ID numbers of the multidisciplinary problems concerned. Fragments of the classification table and of the subject headings list for multidisciplinary problems are shown. (Author, abbr.)

1662 Moss, R.: **Time factor classification.** In: Aslib Proc. 27(1975) No. 6, p. 272–277, 2 refs.
With regard to the problem of moving older books into the magazines of a library, a classification is proposed for the indication of dates, which is called "time factor".

1663 Smith, G.: **The problems of centralised cataloguing for users of art material.** In: ARLIS Newsletter 23 (1975) p. 18–22
The advantages of using BNB centralised cataloguing are sometimes offset by gravedisadvantages, the chief of which concerns classification. Particular problems arise from reclassification of existing stock with every revision of Dewey, scattering of related and sometimes indistinguishable materials as allocated by BNB and plain errors on the part of the BNB classifiers. (Author)

19 History of Classification

1664 Totok, W.: **Leibniz' division of the sciences.** (In German). In: Akten d. II. Intern. Leibniz-Kongresses, Hannover, 17.–22. Juli 1972. Bd. IV. Wiesbaden: F. Steiner Verlag 1975. p. 87–96
Description of the different intentions and approaches that lead Leibniz to design and justify certain divisions and arrangements of the sciences.

2 Structure & Construction of CS

21 General Questions of Structure

See also 1609

1665 Beck, H.: **Classification and information retrieval.** Present problems from a librarian's point of view. Pt. 3: Structure and construction of an information retrieval language. (In German). In: Zentralblatt f. Bibliothekswesen 89(1975) No. 1, p. 2–12, ca. 20 refs.

1666 Gilchrist, A.: **The role of thesauri in mechanized systems.** In: Indexer 9(1975) No. 4, p. 146–154
Review on thesauri and mechanized systems and observation of an apparent imbalance and the need for deeper thinking about concept formation and relationships and more imaginative use of computers.

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1667 Grupp, G., Heider, M.: **Non-overlapping disciplinary vocabularies.** In: Day, S. B. (Ed.): Communication of scientific information. Basel–München: Karger 1975.

1668 Kulik, A. N., Feonova, L. V.: **Analysis of user word lists in an information network and standardizing them using a base thesaurus.** (Transl. from Russian). In: Autom. Doc. & Math. Linguistics 8(1974) No. 4, p. 50–59, 8 refs.
Discussion of the principles for standardizing users' word lists with a base thesaurus, using the Thesaurus of Scientific and Technical Terms, Moscow 1972. Word lists of the seven most typical users of the information system have been used.

1669 Spieler, K. H.: **Concerning the theory of the subject heading catalogue.** (Zur Theorie des Schlagwortkatalogs) (In German). Berlin: Arb. Stelle f. d. Bibl.wesen 1975. 74 p., ca. 180 refs. = Bibliotheksdienst Beiheft 109

1670 Subramanyam, K.: **Comparison of four thesauri in education.** In: Herald of Libr. Sci., Varanasi, 13(1974) No. 3/4, p. 242–253, 2 refs.
Criteria for comparison are laid down and the detailed description and comparative analysis of all the four thesauri is given.

1671 Svarcová, I.: **Analysis of linguistic problems in a general information system.** (In Czech.). In: Techn. knihovna 18(1974) No. 12, p. 346–352, 4 refs.
The information system is an organism the state and function of which may be determined by its retrieval language. The article treats the principles of the creation of an artificial language, its behavior and functioning (its construction being left aside).
(Author, abbr.)

1672 Vušken, G.: **Information retrieval language of a fact-retrieval system concerning persons, centres and institutions in the field of information science.** In: Naučn. techn. inform., Ser. 2 (1975) No. 7, p. 21–24, 9 refs.
The principle types of documentation languages in data documentation systems are reviewed and a new approach is proposed for the elaboration of a language of the "enquête"-type. The indexing method and the demands for the special use of such a language is described.

1673 Walle, F. van der: **Functions of the thesaurus in an information system.** (In Dutch). In: Informatic 17 (1975) No. 1, p. 8–14, 9 refs.
Examination of the thesaurus as an information file input system. Discussion of relationship between the thesaurus structure and the information file and of further thesaurus development. In the future, thesauri may have a more sophisticated syndetic structure, additional processing operations will be introduced, seen as "dynamic" operations on a "static" terminological file.
(Author, abbr.)

22 Elements and Special Structures of CS

1674 Azevedo Veiga, E. de, Roitman Jakobson, S.: **Subject faceted index.** (In Portuguese). In: Ciênc. inform. 3(1974) No. 1, p. 69–78, 12 refs.
In the Subject-faceted Index (SFI) devised at the University of Rio Grande do Sul (Brazil) the properties of a hierarchical and a faceted scheme are combined for classification in the fields of history, ethnography and economic geography. In addition general categories, like place, time, viewpoint are applied in classing as well as form and language indicators. For the latter use is made of the classification schemes of Ranganathan and the UDC. Examples are given.

1675 Chiapetti, F. s., Morelli, M. C., Belli, F.: **The UDC and thesauri and UDC-thesauri.** (La classificazione decimale universale i tesori e i CDU-tesori.) (In Italian). In: AIB Boll. d'Inf. 15(1975) No. 2, p. 108–115, 19 refs.
Shows the advantages of both, UDC and thesauri and a new method of display of related concepts together with UDC notations (UDC-thesauri) without explicit indication of concept relationships. (See also article in thisissue of I. C. 3(1976) No. 1)

1676 Filliatre, B.: **Utilisation d'un thesaurus de liaisons analogiques entre concepts dans un système documentaire.** (Use of a thesaurus with analog connections between concepts in a documentation system.) (In French) In: Inform. Processing & Management 11(1975) p. 107–113, 19 refs.
Structure and line of implementation of a thesaurus for the juridical field using the relations "environment" and "inclusion" for the analog expression of concepts.

1678 Pilz, J.: **Methodological aspects in the construction and use of multidimensional structures in a thesaurus.** (In German). In: Dokumentation/Information. Schriftenr. d. Inst. Inform.wiss., Erfindungsw. u. Recht TH Ilmenau (1974) No. 24, p. 73–102, 31 refs.
Discussion of multidimensionality and polyhierarchy and indication of the correlation and distinction between multidimensionality and polyhierarchy. The general multidimensional thesaurus structure and the multidimensional representation of relationships are explained. Using these principles, queries may be modified.

1679 Reball, S.: **Concerning elements of indexing languages and forms of indexing.** (In German). In: Informatik 22(1975) No. 4, p. 19–23, 16 refs.
Indexing languages consist of a set of signs, a set of rules for the construction of signsequences and an interpretation rule for the signs and sign-sequences in relation to the documents to be indexed. The former two do not pose significant difficulties, however, there exist some differences in opinion about the interpretation rules. These are demonstrated using known indexing systems.

1680 Shimko, A. H.: **An experiment with semantics and Goffman's indirect method.** In: Inform. Storage & Retrieval 10(1974) No. 11–12, p. 387–392, 3 refs.
Example for the use of Goffman's method to group documents according to their common factors in the field of medicine (109 by Index Medicus indexed documents). The common factors are defined in three ways using semantic distinctions. Graphical representation.

23 Construction of CS

See also 1611, 1619,

1681 Andreewsky, A., Fluhr, C.: **Automatic indexing. Automatic construction of thesauri. Automatic classification.** (In French). Saclay, France: C. E. N., Service de Documentation 1975. 32 p., 5 refs.
Review of the principles of automatic indexing, as defined in different publications. Synthesis of these compared with the works of a Soviet group in the Institute Inform. Electro. of Moscow. Examination of the mathematical and linguistic problems in the automatic construction of thesauri and automatic classification.

1682 Field, B. J.: **Semi-automatic development of thesauri using free-language vocabulary analysis.** London: INSPEC 1975. 34 p. (Report R75/24) $ 7.50
Description of an automatic truncation procedure and presentation of the results of statistical studies on the growth and frequency characteristics of the free-language vocabulary. Discussion of the methods developed for handling free-language phrases and grouping and ranking terms for the notification of candidate thesaurus terms. Description of results of small-scale tests.

1683 Tkatsch, S. S.: **Present trends in information retrieval language development and automatic indexing techni-**

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ques. (In Russian). Moskva: VINITI 1975. 36 p., 82 refs. (Manuscript No. 909–75, dep. 2 april 1975)
Review of the most typical current research projects in the field of IR language construction and automatic indexing. Separation of IR languages into the logical and logical-linguistic kinds; in terms of paradigmatic devices IR languages fall into three groups, in terms of syntagmatic devices also. Some automatic indexing techniques are examined and classified. (Author, abbr.)

1684 Wadatsumi, K.: **The basic design of the KJ graphic thesaurus and its OMR input system for integration of the distributed cooperative researcher files.** (In Japanese). In: Himeji kogyo dajgaku kenkyu hokoku. Reports Himeji Inst. Technol. (1974) A, No. 27, p. 20–30, 23 refs.
Study of the basic design of a geology-oriented computerised data base network for integration of the distributed cooperative researcher files (GEODASDCRF) by a group of geologists (37 professors and researchers) as one of the special three-year projects on the Broad Area Quantitative Data Processing System (initiated by the Japanese Department of Education). Design of a KJ (Kawakita Jiro) graphic thesaurus and its input system for a computer-assisted geological index and its use by researchers on a national level. (Author, abbr.)

1685 Wessel, A. E.: **Computer-aided information retrieval.** Los Angeles, Calif.: Melville 1975. 193 p., 80 refs. = Information Sciences Series
In this book concerned with the technological perspectives and problems of automatic information retrieval theoretical and practical reasons for failures are investigated and partial solutions offered. The principles for the construction of thesauri for automatic retrieval are analyzed using as an example the thesaurus of the Stiftung Wissenschaft und Politik (SWP-T) with about 4 000 descriptors. Together with this the PRIMAS programs were developed. Examples for on-line indexing and -retrieval are shown.

24 Relationships

See also 1535, 1610,

1686 Dirian, J.: **Study of the indexing of specialized card-files. Interest in the use of roles.** (In French). In: Documentaliste 12(1975) No. 3, p. 99–106, 24 refs.
Problems in the indexing of very specialized fields are analyzed, as well as the use of roles to meet requirements of syntax, splitting documents and the elaboration of a structure ("grille") for indexing.

1687 Ivankin, V. I.: **A study of semantic relationships between query and document texts.** (In Russian). In: Naučn. techn. inform., Ser. 2 (1975) No. 1, p. 21–26, 39, 40, 27 refs.
Investigation of the semantic relations between query keywords and those in relevant documents. Parameters examined were keyword specificity, frequency of occurrence of various relations and the productivity of the various structural elements of the document text as sources of keywords for coordinate indexing. The title and/or heading of a document has been found to be the most productive source. (Author, abbr.)

1688 Neill, S. D.: **Farradane's relations as perceptual discriminations.** In: J. Doc. 31(1975) No. 3, p. 144–155, 33 refs.
Farradane's categories of relations are viewed as percepts rather than concepts. It is argued that Farradane's original use of language supports this view. A comparison of Farradane's categories with perceptual discriminations in humans is attempted. The conclusion seems to support claims made for relational operators, whether those of Farradane or similar relational indexing devices as in PRECIS, to have the potential to act as metalanguages. (Author)

1689 Willetts, M.: **An investigation of the nature of the relation between terms in thesauri.** In: J. Doc. 31(1975) No. 3, p. 158–184, 25 refs.
The nature of the affinitive relationships expressed through thesauri related terms has been studied in ten thesauri, of which eight were examined in detail. The relationships have been analyzed in terms of Farradane's relational indexing 'operators' and the four fundamental categories of concepts derived by the Classification Research Group in England. The results are tabulated to show the numbers of different categories of descriptors, category pairs, and descriptor/related-term pairs; the relative occurrences of category pairs and of the different relational operators are shown in histograms. The results are considered in detail and show that there is no consistent pattern of relations in use. Problems in improving the nature and selection of related terms in thesauri are discussed. (Author)

26 Notation, Codes

1690 **INIS terminology and codes for countries and international organizations.** Wien: International Atomic Energy Agency 1975. 13 p. = IAEA-INIS-5 (Rev. 3)
The revision is based on the new standards of ISO. The document consists of three parts: alphabetical list of country names, alphabetical list of names of international organisations and alphabetical list of countries and organizations with the ISO codes.

1691 Immich, H.: **Practical application of classification and coding principles.** (In German). In: Koller, S., Wagner, G. (Eds.): Handbuch der medizinischen Dokumentation und Datenverarbeitung. Stuttgart: Schattauer 1975. p. 245–266, 24 refs.
The composition of concept notations from a classification system to express the practical sequence of documentary activities in a hospital forms the code. It presupposes a systematic order of concepts for the subsequent classification of statements. Comprehensive treatment of the classification of quantitative and qualitative data as well as of diagnoses. Concludingly different kinds of codes are presented according to purpose and structure.

28 Compatibility & Concordances of CS

See also 1614, 1738

1692 Blumstengel, R., Schüler, W.: **Compatibility problems in the transition to new forms of patent information** (Paßfähigkeitsprobleme beim Übergang zu neuen Formen der Patentinformationsversorgung.) (In German). In: Informatik 22(1975) No. 6, p. 29–33, 6 refs.

1693 Gorol, A., Mlodozeniec, W., Zolkowska, T.: **An attempt to unify the classification of documents according to the Universal Decimal Classification system by adjusting its symbols to the descriptors of the thesaurus.** (In Polish). In: Aktual. Probl. Inform. i. Dok. 20(1975) No. 3, p. 3–11, 10 refs.
The descirptors of a thesaurus of non-ferrous metals were reconciled with the UDC (given UDC-notations). In the majority of the 3543 cases descriptors were found to correspond to the UDC-numbers, in a certain number of cases, two or three UDC-numbers had to be composed. These were marked for non-use in classification.

1694 Kofnovec, L.: **Set of selection languages of the international system of scientific and technical information.** (In Czech). In: Českosl. inform. 17(1975) No. 7/8, p. 200–205, 6 refs.
The article contains a schematic representation of the relations between the elements of sets of selection languages in the international system. Discussion of these relationships and functions.

1695 Menillet, D., Grandjouan, J. M.: **Coordination of thesauri in the frame of the national scientific and technical information network.** (In French). Paris: CNRS 1974. 41 p. = DGRST-7371441
The coordination of existing thesauri may be done on the basis

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of the French standard Z47-100. In parallel a document for the elaboration of multilingual thesauri "Problems of linguistic correspondence" had been worked out. A proposal for the standardization of the presentation of a thesaurus as well as one for an "Annuaire des thesaurus" is included.

1696 Virville, M. de: **Automatisation of correspondence tables between economic nomenclatures.** (In French). Paris: CNRS 1975. 334 p., 38 p. refs. = DGRST-7371677
The study aimed at a determination of the properties of descriptive systems and the algorithms in order to construct correspondence tables between nomenclatures. Study of the existing languages in economics available. Examination of the principles for the treatment of metalanguage expressions. Detailed presentation of the programs, application of the system to fragments of the two nomenclatures. The results of the intermediary files are given in the annex as well as a list of the programs.

1697 Wersig, G.: **Problems for indexing languages in information networks.** (In German). In: Nachr. Dok. 26 (1975) No. 6, p. 231–234, 12 refs.
Discussion of possibilities to overcome the problems of differing indexing languages in computerized information networks.

3 Classing and Indexing (Methodology)

31 Theory of Classing and Indexing

See also 1679

1698 Bookstein, A., Swanson, D. R.: **A decision theoretic foundation for indexing.** In: J. Amer. Soc. Inform. Sci. 26(1975) No. 1, p. 45–50, 9 refs.

1699 Dahlberg, I.: **Multilevel semantic and formal subject representation of document contents.** In: Intern. Feder. for Documentation. Study Committee "Research on the Theoretical Basis of Information". Collection of papers, 24–26 April 1974. Moscow: VINITI 1975. p. 323–334, 16 refs.
Informative subject representation is based on statements made about document contents, thus yielding the so-called "informemes" of a text. Such statements can and must be made on different levels of generality (or specificity) for either broad or very specific access to the information contained in a document; a formal access may go with both of these. Presentation of methodology of such a structured kind of document analysis and discussion of implications.

1700 Fuchs, G.: **General principles of classification and coding.** (In German). In: Koller, S., Wagner, G. (Eds.): Handbuch der medizinischen Dokumentation und Datenverarbeitung. Stuttgart: Schattauer 1975. p. 233–244, 4 refs.
In order to avoid ambiguities in assigning codes it is proposed to distinguish between a sign-oriented and a concept-oriented assignment of codes. Theory and practice of the assignment rules to both approaches are treated, examples are given.

1701 Harter, S. P.: **A probabilistic approach to automatic keyword indexing.** Part I: On the distribution of specialty words in a technical literature. In: J. Amer. Soc. Inform. Sci. 26(1975) No. 4, p. 197–206, 16 refs.
A mixture of two Poisson distributions is examined in detail as a model of specialty word distribution and formulas expressing the three parameters of the model in terms of empirical frequency statistics are derived. (Author, abbr.)

1702 Harter, S. P.: **A probabilistic approach to automatic keyword indexing.** Part II: An algorithm for probabilistic indexing. In: J. Amer. Soc. Inform. Sci. 26(1975) No. 5, p. 280–289, 22 refs.
An algorithm defining a measure of "indexability" is developed, a measure intended to reflect the relative significance of words in documents.

1703 Ramsden, M. J.: **Some basic considerations in subject indexing.** In: Austr. Libr. J. 24(1975) No. 1, p. 10–16, 6 refs.

1704 Salton, G., Wong, A.: **Automatic indexing using term discrimination and term precision measurements.** In: Information Processing & Management 12(1976) No. 1, p. 43–51, 9 refs.
Brief description of the term discrimination model and the term precision system, indexing methods which are both effective and usable in practice. Experimental evidence is cited showing that a combination of both theories produces better retrieval performance than either one alone. (Author, abbr.)

1705 Svenonius, E.: **Good indexing: a question of evidence.** In: Libr. Science with a Slant to Documentation 12(1975) No. 12, p. 33–39, 34 refs.
Different types of evidence used in answering the question: what is good indexing? are considered. The evidence is presented in the context of the method of inquiry which produced mysticism, rationalism or empiricism. The method of mysticism is illustrated with reference to Cutter and the problem of specific entry. Ranganathan's approach to the controversy over alphabetical vs classified arrangement is used to illustrate the method of rationalism. Cleverdon's work is taken as an example of the method of empiricism. In providing evidence for good indexing, the method of empiricism is found wanting. Suggestion to improve the method by fundamental research into problems of sampling and definition and by supplementing it by other methods of inquiry. (Author)

1706 Swift, D. W.: **Letter to the Editor.** (Concerning PRECIS). In: J. Doc. 30(1974) No. 4, p. 433, 2 ref.
Information on the Open University group's experimentation with PRECIS and their observation that a different logic should be applied to avoid misdescription of material in the system.

32 Subject Analysis

1707 Belke, W., Graichen, D.: **Concerning the theory and technology of classing informations.** (Zur Theorie und Technologie der Klassifizierung von Informationen) (In German). Dresden: Forschungsinstitut Manfred v. Ardenne 1974. 15 p., 20 refs.
Application of the "Wissensspeichermethode" (method for the storage of knowledge) to the analysis and formalization of information in order to facilitate description and coding, computerization and organisation, reduction of volume, typology and standardisation. Examples from the area of medicine.

1708 Curras, E.: **Types of scientific documents. Methods of classification.** (In Spanish). In: Quim. e. Industr. 21 (1975) No. 3, p. 267–273
General description of types of scientific documents and different methods of document analysis and classification.

1709 Iker, H. P.: **SELECT, a computer program to identify associationally rich words for content analysis.** Pt. II: Substantive results.
In: Computers and the humanities 9(1975) No. 1, p. 3–12, 9 refs.

1710 Janoš, J.: **Results of an experiment with automatic indexing based on the analysis of the texts of abstracts.** In: Information Processing & Management 11(1975) p. 115–122; in Czech: Čs. inform. 17(1975) No. 1, p. 4–8.
On the basis of an analysis of the texts of abstracts in Czech

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the algorithm applied produces indexing into the information retrieval language with a special type of links and is based on the principle of the analysis of simultaneous presence of sets of words in the framework of individual sentences or in the framework of the whole text of an abstract. (Author, abbr.)

1711 Tufte, E. R.: **Data analysis for politics and policy.** Englewood Cliffs, N. J.: Prentice-Hall 1974. 179 p.
Illustration of strategies for data evaluation using detailed data sets with examples from voting, automobile safety, educational opportunity and other policy studies.

33 Classing and Indexing Techniques

See also 1632, 1635, 1685, 1706, 1710, 1737, 1859

1712 Bakewell, K. G. B.: **The PRECIS indexing system.** In: Indexer 9(1975) No. 4, p. 160–166, 5 refs.
Description of the system and details on a small evaluation study carried out at Liverpool Polytechnic's Department of Library and Information Studies on an experimental index covering 584 periodical articles on management.

1713 Dionne, G.: **PRECIS I: Preserved Context Indexing System.** (In French). In: Documentation et Bibliothèque 21(1975) No. 1, p. 9–21, 30 refs.
Survey on the preliminary work and conceptions of the British CRG and description of PRECIS and its application in the British National Bibliography from Jan. 71–Dec. 73. Examples.

1714 Makkar, G. C.: **Subject entries and chain procedure.** In: Indian Libr. Movement 2(1975) No. 1, p. 1–13, 8 refs.
Description of the chain procedure and list of its advantages and limitations.

1715 Guha, B.: **Recent advances in document description and representation.** In: Annals of Libr. Sci. & Doc. 21(1974) No. 1/2, p. 68–73, 7 refs.
Discussion of the ISBD and PRECIS and the far reaching consequences of these two developments.

1716 Supper, R.: **PRECIS, a computer-aided, alphabetical indexing system.** (In German). In: Nachr. Dok. 26 (1975) No. 4–5, p. 156–162, 17 refs.
Description of the system. List of PRECIS users. German terms for the special PRECIS terminology. Preservation of PRECIS indexed terms for the construction of its envisaged thesaurus. New application possibilities, e. g. in on-line searches, SDI. Evaluation studies showed favorable results.

1717 Blochin, Yu. I., Gorbačev, L. M.: **Common automation problems of the basic operations in maintaining national classifiers.** (In Russian). In: Standarty i Kačestva (1975) No. 2, p. 40–44, 94, 96
Discussion of main tasks and procedures for the automatic maintenance of national classifiers. The requests accepted by the maintenance system fall into two categories: code-oriented and name-oriented searching. Suggestion that the maintenance procedures should be automated in three steps. The chosen automatic maintenance procedures are used as a case study to elaborate on five processes and their associated computer files. (Author)

34 Automatic Classing and Indexing

See also 1681, 1704, 1730, 1731, 1739, 1740, 1853

1718 Field, B. J.: **Trends toward automatic indexing, I: relationship between free and controlled-language indexing and the automatic generation of controlled subject headings and classifications.** London: Institution of Electrical Engineers 1975. 70 p. 21 tables, 16 refs. = INSPEC Report R75/20; BLR&D Report 5235.

1719 Sule-Prenzel, G.: **Automation of subject indexing.** (In German). In: Mitt. bl. Verb. Bibl. NRW 25 (1975) No. 2, p. 161–164, 2 refs.
Report on the lectures of M. Malin and A. E. Cawkell of the Institute for Scientific Information, Philadelphia in Nov. 1974, Köln, on co-citation indexing.

1720 Uemura, S.: **Studies in automatic indexing, II.** Experiences in automatic indexing of a large number of data in Japanese. In: Res. electrotechn. Lab., Jap. (1974) No. 747, 163 p.

35 Automatic Ordering

1721 Diday, E.: **Automatic sequential classification for large sets of data.** (In French). In: Rev. Franç. d'Automatique Informatique Recherche Operationelle 9(1975) March, p. 29–61.
Presentation of a new cluster analysis method, called MNDS, an adaptation of his MND (Méthode des Nuées Dynamiques), particularly suited for the treatment of large sets of data.

1722 Dillon, M.: **The use of clustering techniques in the analysis of judicial prose.** In: Information Sciences 8 (1975) No. 2, p. 95–107, 10 refs.
Two different clustering techniques, one based on covariance assumptions, the other using Euclidian distance, are compared by applying them to data comprised of content category frequencies derived from selected judicial opinions of the Supreme Court. Results showed that both techniques were sufficiently promising to warrant further study. (Author, abbr.)

1723 Rijsbergen, C. J. van, Croft, W. B.: **Document clustering.** An evaluation of some experiments with the Cranfield 1400 collection. In: Inform. Process. & Management 11(1975) No. 5/7, p. 171–182, 16 refs.
The single-link cluster method is used to construct a hierarchic classification for the 1400 documents in the Cranfield test collection. A variety of retrieval strategies applied to this hierarchy are evaluated in terms of effectiveness and efficiency. (Author, abbr.)

36 Coding

1724 Avidon, V. V., Kozlova, S. P., Apolovič, V. S.: **Encoding cyclic fragments for similarity analysis of organic chemical structures.** (In Russian). In: Naučn. techn. inform., Ser. 2(1974) No. 12, p. 21–23, 40, 3 refs.

1725 Krishnan, S., Krishnamurthy, E. V.: **Compact grammar for algorithmic Wiswesser notation using Morgan name.** In: Inform. Processing & Management 12(1976) No. 1, p. 19–34, 11 refs.
Description of an efficient encoding procedure for Algorithmic Wiswesser Notation (ALWIN) using the Morgan labelling algorithm and the neighbourhood relationship in a chemical graph. (Authors, abbr.)

1726 Mendelovici, M.: **Elements of information theory and coding (II).** In: Probl. de informare document., Bukarest 8(1974) No. 7/8, p. 496–519, 6 refs.

1727 Randic, M.: **On unique numbering of atoms and unique codes for molecular graphs.** In: J. Chem. Inform. Computer Sci. 15(1975) No. 2, p. 105–108, 15 refs.

37 Reclassification

See also 1540, 1541, 1754

1728 McNutt, E., Poland, U. H.: **Three-way catalog division combined with conversion to Medical Subject Headings (MeSH) in a mediumsized medical library.**

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n: Bull. Med. Libr. Assoc. 62(1974) No. 4, p. 388–396, 30 refs.
For a number of reasons it was decided to transform a dictionary card catalog at Albany Medical College into a 3-way divided catalogue, consisting of proper names, Titles and Topical Subjects sections. Description of the methodology.

1729 Ukoh, R. A.: **Library classification and change: the example of Bliss.** In: Libri 25(1975) No. 3, p. 168–173, 10 refs.
The Bliss Bibliographic Classification, in use at the Ibadan University Library since 1948, is being replaced by the Library of Congress Classification. Review of the application of BC at Ibadan and reasons for the change.

39 Evaluation of indexing

See also 1741

1731 Lyon, C. C.: **A comparative evaluation of machine aided indexing at the Defense Documentation Center versus the manual indexing done by the NSWC/Dahlgren Laboratory Technical Library.** Dahlgren, Va.: Naval Surface Weapons Center. Dahlgren Lab. 1975. 86 p., 81 tabl., 28 refs. = AD – A009237.

4 On Universal Systems

41 On Universal CS in General

1732 Barkalova, O. M.: **Possibilities for the use of a conventional information retrieval language in national archives classed catalogues** (with special reference to the Unified Documentary Classification scheme of the State Archival Collection of the USSR). (In Russian). In: Trudy VNII documentoved. i. archiv. dela (1974) No. 5, pt. 2, p. 176–187.

1733 Evans, D.: **Notes on a new classification.** In: Cat. Index (1974) No. 35, p. 7, 10.

1734 Rydings, H. A.: **Subject headings for a local catalog.** In: Libr. Resources Techn. Serv. 19(1975) No. 1, p. 24–30
Compilation of a union catalogue of material relating to Hong Kong in the University of Hong Kong to be available in local libraries. The main sequence is an alphabetical subject catalogue, using modified Library of Congress Subject Headings, with author and title indexing in Western languages and Chinese.

42 On the Universal Decimal Classification, UDC

See also 1675, 1693, 1856, 1857

1735 Babitzky, B.: **Three decades of the UDC in Hungary.** (In Hungarian). In: Tud. és müsz. tájek. 22(1975) No. 3, p. 189–208, 19 refs.
Description of the story of the Universal Decimal Classification in Hungary from 1945 on. Today the UDC is in general use in research and special libraries in Hungary. The latest statistics state that there are 8 241 independent libraries in Hungary of which approx. 3600 use the UDC.

1736 Gutiez, M. C.: **Editions of the UDC in Spain: the present situation.** (In Spanish). In: Bol. Dir. Gen. 23 (1974) No. 135–136, p. 5–9
A new edition of the abbreviated version is to appear in 1975 and a middle edition, based on the British one is to appear in 1976.

1737 Lur'e, I. A.: **Two approaches to the problem of comparing a set of objects: a case study of UDC numbers.** (In Russian). In: Tr. Gos. publ. naučn. techn. biblioteka SSSR (1975) No. 8, p. 69–74, 6 refs.
The comparison of a set of objects normally involves the intermediate operation of paired comparisons. A formula is described which helps to by-pass paired comparisons in comparing a set of objects. The formula has been used as a working tool in assessing the quality of UDC indexing. (Author)

1738 Perreault, J.: **UBC and UDC.** In: Intern. Classificat. 2(1975) No. 2, p. 71.
Editorial at the occasion of the co-sponsorship of the IFLA Office for UBC for International Classification. Points out that the UDC might be the "system of discriminativeness great enough" to serve as the intermediary between other universal classifications and thus favorably applicable for the recording of subject data in UBC.

1739 Tafipol'skaja, M. Ja., Tarasov, V. I.: **An analysis of statistical autoclassification procedures to establish their suitability for automating UDC indexing.** (In Russian). In: Tr. Gos. publ. naučn. techn. biblioteka SSSR (1975) No. 8, p. 36–50, 32 refs.

1740 Tafipol'skaja, M. Ja., Tarasov, V. I.: **An automated approach to UDC indexing using a post-coordinated intermediate language.** (In Russian). In: Tr. Gos. publ. naučn. techn. biblioteka (1975) No. 8, p. 51–68, 11 refs.

1741 Tarasov, V. I., Kac, L. A., Leonov, R. A., Lur'e, I. A.: **A statistical evaluation model for UDC indexing.** (In Russian). In: Tr. Gos. publ. naučn. techn. biblioteka SSSR (1975) No. 8, p. 75–87, 15 refs.
A method and procedure are described for arriving at a quantitative estimate of the quality of UDC indexing. The theory, statistical techniques and practical recommendations for use of the evaluation algorithm are presented. The values of the coefficients in the overall estimate are given together with a method for their development. Description of an experiment in which the indexing quality of a test collection was subjected to quantitative evaluation. The method can be used both with conventional and computer-based systems using the UDC. (Author)

1742 Wijn, J. H. de: **Modernization of the UDC; dream or reality?** (In Dutch). In: Open 7(1975) No. 5, p. 247–258, 3 tab.
Revision of the superstructure, development of a more faceted build-up with preservation of the existing hierarchical subdivision within the subject-fields, evolution of alphabetic indexes in thesaurus form, and simplification of structure and notation are items of an action-programme envisaged by FID/CCC.
(Author)

43 On the Dewey Decimal Classification, DDC

1743 Adams, M. D.: **Application of the Dewey Decimal Classification at the British National Bibliography.** In: Libr. Resources & Techn. Services 19(1975) No. 1, p. 35–40
The application of the DDC and its place in the subject analysis procedures followed by the British National Bibliography is described as observed by an exchangee from the DDC Division of the Library of Congress.

1744 Dhyani, P.: **Dewey Decimal Classification – an Indian view.** In: Int. Libr. Rev. 7(1975) No. 3, p. 361–367, 15 refs.
Analysis of the classes 200, 400 and 900 and the Area Table of Dewey 18. Particular inadequacies with reference to India are pointed out.

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1745 Kumar, P. V.: **Reflections on the Dewey Decimal Classification.** In: Herald of Libr. Sci. 13(1974) No. 3/4, p. 235–242, 4 refs.
Makes a brief study of DDC, Ed. 18 in the light of the canons of classification ... Suggests the collocation of certain subjects through the provision of an alternative method for putting the applied subjects immediately after the pure sciences. Need for a scheme of book numbers and a separate Chronological Table in the DDC. (Author)

1746 Mahmud al-Akhras: **Changes in Dewey Decimal Classification.** (In Arabic). In: Rissalat Al-Maktaba (Message of the Library) 10(1975) No. 2
Recent changes made in the DC numbers for the UK (area tables) and its parts are criticised.

1747 Schaefer, B. K.: **The Phoenix Schedule 510 in Dewey 18.** In: Libr. Resources & Techn. Serv. 19(1975) No. 1, p. 46–59, 15 refs., 2 app.
A completely new development of the schedule of a specific discipline has been termed a "Phoenix Schedule". Comparisons of this new 510 with the scheme of the American Mathematical Society show similarities, the principles applied in the subdivision of major classes are different from those of the AMS scheme. Conclusion: DDC 18 still is inadequate for classifying contemporary mathematical literature.

1748 Trotter, R. R.: **Application of the Dewey Decimal Classification at the Library of Congress.** In: Libr. Resources & Techn. Serv. 19(1975) No. 1, p. 41–45
Description of the application and of the editorial procedure carried out in preparing a new edition of the DDC.

1749 Walker, W. B.: **Art books and periodicals. Dewey and LC.** In: Libr. Trends 23(1975) No. 3, p. 451–470, 19 refs.
For close classification in a medium-sized or large art library the new edition of Class N of the Library of Congress (4th ed. 1970) is deemed more satisfactory than Dewey 18.

44 On the Library of Congress Classification, LCC and LC Subject Headings

See also 1749

1750 Bernier, R. B.: **La Classification Library of Congress (Cours et excercices).** 2e éd. refonduc et augm. La Pocatière, Canada: Soc. du Stage en Bibliothéconomie de La Pocatière 1973. 347 p. = Guide de classificateur 3.
16 Lessons with exercises on the use of the Library of Congress Classification with a very great number of LCC tables, starting with the history of the LCC, explaining the tables and the notation as well as its classes and the Cutter numbers as used with the LCC, and finally teaching the classing of special kinds of publications and the auxiliary tables of Table A, B-BJ, PN, PR, PS and PZ.

1751 Enyingi, P., Ford, W. T., Iamele, R. T.: **Library of Congress subject heading modification and development of the Subject Authority File at Los Angeles County Law Library.** In: Law Libr. J. 68(1975) No. 1, p. 1–10, 18 refs.
Description of method used for the completion of a new file (in 16 months) consisting of 20 000 cards in 29 drawers. Standardization of subject headings used by LC and the law libraries is recommended.

1752 Immroth, J.: **Library of Congress Classification.** In: Encycl. of Libr. & Inform. Sc. 14(1975) p. 93–200, 248 refs.

1753 Kanwischer, D.: **Subject headings trauma: making do with first aid.** In: Wilson Libr. Bull 49(1975) No. 9, p. 651–654, 11 refs.
Description of the results of a questionnaire sent to 120 US University libraries to find out about their satisfaction with the Library of Congress Classification.

1754 Mowery, R. L.: **The trend to LC- in college and university libraries.** In: Libr. Resources and Technical Services 19(1975) No. 4
Indicated that among 1160 identifiable university and college libraries 162 had changed to LCC between 1968 and 1972.

1755 Tipler, S.: **Classifying law materials using the Library of Congress Classification.** In: Libr. Resources & Techn. Services 19(1975) No. 1, p. 60–63, 15 refs.

47 On the Library-Bibliographical Classification, LBC (BBK)

See also 1531–1543

1756 Büttner, G.: **Classified catalogues in the German Democratic Republic and problems of using the Soviet Library-Bibliographical Classification.** (In Russian). In: Bibliotekovedenie i Bibliografija za Rubežom 51 (1974) p. 36–43, 37 refs.
Survey on the use of classification systems in GDR libraries. Only a literal translation of the BBK (LBC) has appeared in German. There is no edition adapted to usage in the GDR and no coordination of its introduction.

5 On Special Objects CS (Taxonomies)

51 Numerical Taxonomy

1757 Wallace, C. S., Boulton, D. M.: **An invariant Bayes method for point estimation.** In: Classificat. Soc. Bull. 3(1975) No. 3, p. 11–34, 3 refs.

1758 Willmott, A. J., Shepherd, M. J.: **Some proposals for the numerical classification of large data sets.** In: Classificat. Soc. Bull. 3(1975) No. 3, p. 2–10, 4 refs.
A large data set is defined to be one in which each Operational Taxonomic Unit (OTU) is described by a large number of attributes and which consists of a large number of OTU's or both. Description of methods to avoid redundant comparisons between OTU's and to allow numerical taxonomy of data sets even to workers with relatively modest computing facilities.

57 On Commodity CS

1759 Hölzl, J.: **Problems of commodity description and classification.** (In German). In: Intern. Classificat. 2 (1975) No. 2, p. 94–102, 29 refs.
Tentative development of the structural principles for a complete description of all kinds of commodities.

1760 Röpke, W.: **Commodity description and classification.** (In German). In: Intern. Classificat. 2(1975) No. 2, p. 72
Letter to the Editor, stresses the necessity to base a commodity classification on the activities in economics and mentions six other categories of significance in commodity description.

58 On CS for Kinds of Documents

Patent classification see also 1636, 1692, 1855

1761 Latysozojc, Z., Pajak, S.: **The estimation of international patent classification as a tool for information retrieval.** (In Polish). In: Aktual. probl. Inform. i Dok. 20(1975) No. 3, p. 12–17, 2 refs.

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1762 U. S. Patent Office: **Classification of U. S. Patents** including all patents issued through Dec. 11, 1973 and all reclassifications through Dec. 11, 1973. Patents issued since 1940. Patent nos. 2.241.500 through 3.781.912. Washington: U. S. Patent Office 1974. 7 16 mm microfilm reels or cartridges. NTIS: COM-74-11519-SET

1763 Vuillemin, L. J.: **System of classing and simultaneous coding, abbreviated "CCS".** (In French). In: Cah. Document. 29 (1975) No. 2–3, p. 112–129
Survey on classification systems for patents.

1764 Zaks, L. M., Solov'ev, N. S.: **On the extension and updating procedures of the International Patent Classification.** (In Russian). In: Tr. VNII Gos. Patent. Ekspertizy (1974) Vyp. 7, p. 161–169, 5 refs.

1765 Nakata, N., Strange, M.: **Classification scheme for Illinois state publications,** as applied to the documents collection at the Library, University of Illinois at Chicago Circle, Chicago, Ill. Champaign, Ill.: Univ. of Ill. 1974. 39 p. = Univ. of Illinois, Grad. School of Libr. Sci. Occ. Papers 116

1766 Newsome, W. L.: **A classification scheme for publication of intergovernmental organizations.** In: Libr. Resources & Techn. Serv. 19(1975) No. 1, p. 31–34, 5 refs.

1767 Collins, J. D.: **Cataloging and classifying the exhibition catalog.** In: Spec. Libr. 66(1975) No. 7, p. 313–320, 10 figs.
Discussion of the systems used at the Marlborough Gallery Library and the Wildenstein Gallery Library in New York and the more complex computerized systems used at the Univ. of California in Santa Barbara, the Fine Arts Library at Ohio State Univ. and Stanford University.

1768 Ho, L. C.: **Cataloging and classification of exhibition catalogs in the Library of the Metropolitan Museum of Art.** In: Spec. Libr. 66(1975) No. 8, p. 372–377, 12 figs., 2 refs.

1769 Bogar, C. S.: **Classification for an architecture and art slide collection.** In: Spec. Libr. 66(1975) No. 12, p. 570–574, 10 refs.

1770 Brenan, M.: **Boggs and Lewis in a small map library.** In: Austr. Libr. J. 24(1975) No. 3, p. 111–113
Application, use and limitations of the Boggs and Lewis classification in Queensland University's Department of Geology are discussed.

6 On Special Subject CS

62 On CS for Physics and Chemistry (incl. Electr.)

See also 1622

1771 Eysen, G.: **A user-oriented ordering system for interdisciplinary technical branches exemplified for the field of ultrasonics.** (In German). In: Nachr. Dok. 26 (1975) No. 4/5, p. 147–155, 18 refs.
Empirically constructed faceted classification for the field of ultrasonics comprising some 405 concepts.

1772 Allaire, E., Debackere, M.-C., Rossignol, J.: **A new tool: the thesaurus. Economics of Energy.** (In French). In: Rev. Energ., France 26(1975) No. 270, p. 532–545, 7 refs.

63 On CS for the Astro- and Geosciences

See also 1605, 1649, 1651, 1684

1773 Delbos, L.: **Establishment and publication of a multilingual thesaurus for the earth sciences.** (In French). Paris: CNRS 1975. 15 p. = AO-CNRS-727 0731
This thesaurus is meant to become the basis for an international information system is envisaged for the following five languages: German, English, Spanish, French and Russian. From the Glossary of Geology each national representative makes a choice and the translation of the essential terms.
Hierarchies and relations are established at a later time. The different national lists have been compared and discussed.

1774 Linebaugh, R. M.: **Thesaurus for EDU Diving Information Center (DIC).** Summary report, April–June 1974. Washington, D. C.: Navy Department. Supervisor of Diving 1974. 77 p., NTIS: AD-784 931
(See also 1512, entry for the finished thesaurus)

1775 Pašek, J.: **Thesaurus of engineering geology.** In: Bull. Intern. Assoc. Eng. Geol. (1974) No. 10, p. 5–8
Development of a thesaurus for engineering geology in the ČSSR. Description of structure and content of the thesaurus.

1776 Gosse, C.: **Draft of a classification for plastic materials.** (Une ébauche de classification des matériaux composites plastiques.) (In French). Paris: INTD 1974. 114 p.
The study was done at the library of the Georgia Institute of Technology in Atlanta, Ga.

64 On CS in the Bio-Area

1777 Hiz, H.: **Specialized languages of biology, medicine and science and connections between them.** In: Day, S. B. (Ed.): Communication of scientific information. Basel–München: Karger 1975.

1778 Walker, K. R., Bambach, R. K.: **Feeding by benthic invertebrates: classification and terminology for paleoecological analysis.** In: Lethaia 7(1974) pp. 67–78
The classification comprising nine main groups of animals, makes clear the distinction between site-of-life and location of food acquisition. It accounts logically for the four aspects of feeding. (Author, abbr.)

1779 Haendler, H.: **Documentation languages in heterogeneous agricultural documentation networks.** Paper presented at the V World Congress of IAALD, Mexico, D. F., 14–18 April 1975. 12 p.

1780 Breitling, W.: **Inventory, maintenance and development of FAO index terms.** Roma: Food and Agriculture Organization of the UN 1975. 75 p., 43 refs.
Description of the genesis of the FAO index term list, the present state (data stored and their listings, inventory of terms and growth rate, assignment frequencies, graphic display, evaluation) and the transformation from listings into a thesaurus (scope, term data, programme of work, computer assistance).

1781 Halleux, B. de, Ergo, A. B., Obberghen, A. van: **The SIDAT indexing and retrieval system for use in tropical agricultural documentation and development.** (In French). In: Quart. Bull. Intern. Ass. Agric. Librarians Documentalists 19(1974) No. 3–4, p. 168–194, 9 refs.
Problems and difficulties are described as well as the method adopted.

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1782 Posnett, N. W.: **The land resources division and its feature card system.** In: Quart. Bull. Intern. Ass. Agric. Librarians Documentalists 20(1975) No. 1, p. 23–33, 6 refs.
The compilation and structure of the thesaurus are described together with the operational procedure of the system for the land resources assessment in tropical development countries.

65 On CS in the Human Area (5)

1783 Silver, D. P.: **An introduction to the Population/ Family Planning Thesaurus.** In: Overview 3(1975) No. 1–2, p. 8–11
Description of coverage and structure. (See also No. 1516)

1784 Mutafov, C.: **Developing subject-oriented thesauri from the medicine roof thesaurus descriptor fields.** (In German). In: DDR-Med. Rept. 4(1975) No. 2, p. 89–95

1785 Kužmiński, D.: **The Polish medical thesaurus.** (In Polish). In: Aktual. Probl. Inform. i. Dok. 20(1975) No. 3, p. 38–41, 13 refs.
The separate stages and directions of elaborating this thesaurus are presented.

1786 Coyle, K.: **A faceted classification for occupational safety and health.** In: Spec. Libr. 66(1975) No. 5/6, p. 256–259, 3 refs.
Devised and used by the Centre International d'Information de Sécurité et d'Hygiène du Travail (CIS) of the International Labour Organization. It is based on 5 major aspects of occupational safety and health: occupational hazards, their consequences, investigation techniques, remedial measures, place of incidence.

1787 Blanken, R. R.: **Use of thesauri in medical document retrieval systems.** (In Dutch). In: Informatie 17 (1975) No. 1, p. 15–20
Discussion of the structures of the MeSH thesaurus and the MALIMET (Master List of Medical Terms) of Excerpta Medica.

1788 Sopena Monforte, J. R.: **A new document classification: the thesaurus.** (In Spanish). In: Med. Espanola 70(1973) p. 297–305
Thesaurus and coding of endocrinological diagnoses.

1789 Zühlke, H.: **Use experience with the Diabetes Mellitus thesaurus.** (In German). In: DDR-Med.-Rept. 4(1975) No. 2, p. 101–103
The subject section contains approx. 2200 descriptors and some 50 modifiers, the alphabetical part 6000 terms. Statistical evaluations of the descriptors show that 10 % have not been used at all, 3 % have been used more than 200 times in indexing and the descriptor Glucose 1031 times.

1790 Graepel, P. H., Henson, D. E., Pratt, A. W.: **Comments on the use of the Systematized Nomenclature of Pathology.** In: Meth. Inform. Med. 14(1975) No. 2, p. 72–75, 9 refs.
The Systematized Nomenclature of Pathology (SNOP) contains four lists of pathology names and concepts known as Topography, Morphology, Etiology and Function. To use SNOP the user must specify the coding structure, it is a basis for building a medical data code.

1791 Parnovskij, B. L., Pinyažko, R. M., Znajda, O. V.: **Elaboration and use of a thesaurus for the organisation and economics of pharmacy.** (In Ukrainian). In: Farm. Ž. SSSR 30(1975) No. 4, p. 77–81, 8 refs.

1792 Oldsen, C. F. et al: **Instructional materials thesaurus for special education.** 2nd ed. Arlington, Va.: Office of Education. Bureau of Education for the Handicapped 1974. 42 p. = EDRS:ED 101 492
Standard terminology for the indexing and retrieval of instructional material in the Special Education Instructional Materials Center/Regional Media Centers (IMC/RMC) Network, presented in three parts: alphabetical listing, rotated index and listing by category. The alphabetical listing provides definitions for all terms as well as scope notes.

66 On CS in the Socio-Area

See also 1639, 1711, 1755, 1783

1793 Mausberg, W.: **A thesaurus for a parliamentary information system.** Amsterdam & London: North-Holland Publ. Co.; New York: American Elsevier Publ. Co. 1974. IFIP Congress Vol. 5 (1974) p. 1080–1084
Report on the structure of a thesaurus for the legislative bodies of the Federal Republic of Germany and on the planned use of ADP for updating, maintaining and using for indexing and retrieving. Its starting base were about 20 000 terms.

1794 Weber, J.: **The thesaurus for city planning and regional structure** (Stadtplanung/Raumordnung) (In German). In: Inform. z. Raumentwicklung (1975) No. 2/3, p. 59–67, 3 refs.
Reorganization of the thesaurus mentioned into a 'corethesaurus"; problems of indexing, updating and relations are treated. (See also No. 1524)

1795 Spieler, K. H.: **Historical concepts in the subject-headings catalogue.** (In German). Berlin: Arbeitsstelle für das Bibliothekswesen 1974. 86 p. = Bibl. dienst Beih. 105
Contains rules for the treatment of concepts and terms denoting wars, battles, sieges and conclusions of peace including special rules for the treatment of literature concerning the history of the First World War as existing in the catalogue of the FU-Library.

67 On CS in the Economics and Technology Area

See also 1696

1796 Kleckner, S. M.: **New York University's classification scheme on economic integration class KE.** In: Law Libr. J. 68(1975) No. 1, p. 18–26, 3 refs.
Introductory and explanatory remarks on the scheme for economic integration are given which became necessary to provide classes for the activities of the European Communities.

1797 Romanova, A. N., Skorova, A. A.: **Some problem areas in the development of an economics information language.** (In Russian). In: Probl. Otracl. Avtomatizir. Sistem Upr. Moskva 1974. p. 36–46, 3 refs.
Discussion of (1) structure of the vocabulary, (2) Method for formal description of the content of economic data and (3) choice of method for conversion from the pre-input presentation of economic data to the computer processing presentation.

1798 Ducrot, J. M.: **TITUS II system.** (In French). Boulogne-s/Seine: Inst. Text. de France 1974. 33 p.
Description of the automated information system TITUS, developed at the Textiles Institute in France for automatic translation of abstracts and indexing its terms.

1799 Thielen, K.: **The roofthesaurus for transportation.** (In German). In: Nachr. Dok. 26(1975) No. 4–5, p. 168–170
Description of the structure of a macrothesaurus for cooperating information centers in the field of transportation, as well as for coordinating purposes of the Information Center "Verkehr".

68 On CS in the Science and Information Area

1800 Dusoulier, N., Vichniakoff, L.: **Control of the French version of a multilingual dictionary of the in-**

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formation sciences. (In French). Paris: CNRS 1974. 9 p.
Control and comparison with other vocabularies of the French version of the Sovietic multilingual dictionary with definitions in the field of information science.

1801 Leska, M., Leski, K.: **The thesaurus for scientific information (informatics) of VINITI.** (In Polish). In: Aktual. Probl. Inform. Dok. 19(1974) No. 6, p. 26–30, 3 refs.
Description of the thesaurus and statement that a multilingual thesaurus in scientific information is urgently needed.

1802 Mohan Roy, R. P.: **Colon depth classification schedule for the subject photography.** In: Indian Libr. Movement 1(1974) No. 4, p. 129–135

69 On CS in the Culture Area

1803 Buth, O.: **Scores and recordings.** In: Libr. Trends 23(1975) No. 3, p. 427–450, 54 refs.
Examination of the different classification systems available for shelf arrangement of scores and sound recordings. Evaluation regarding applicability for either researcher or browser. Diagrammatical presentation of the broad framework of each scheme.

1804 Amaeshi, B.: **The classification of modern African literature.** In: Libri 25(1975) No. 1, p. 40–47
Thoughts on the classification of African literature, including DDC, Bliss, UDC and the LC Classification. Suggestions for amendments to the LC scheme are made to adjust it to the African literature.

1805 Driver, H. E., Coffin, J. L.: **Classification and development of North American Indian cultures: a statistical analysis of the Driver-Massey sample.** Transactions of the Amer. Philosophical Soc. 65(1975) Pt. 3, 120 p., 12 figs., 5 maps, $ 7.–, ISBN 0-87169-653-3
Statistical analysis by tribes and by traits of 392 cultural traits among 245 tribes. Driver and Massey correlated their grouping of both tribes and traits with the Voegelins' (1966) genetic language classification and with G. Neumann's classification by physical types.

1806 Cleuziou, S.: **Coding project for the analysis of a photographic document collection in archeology.** (In French). In: Banques données archéol. Colloq. natl. CNRS. Marseille 1972. Paris: CNRS 1974. p. 287–299, 6 refs.

1807 Camps-Fabrer, H.: **Automatic exploitation of the data of a prehistoric area. III.** Coding project for the analysis of bone-objects. (In French). In: Banques données archéol. Colloq. natl. CNRS; Marseille 1972. Paris: CNRS 1974. 13 p., 5 refs.

1808 Metz, R., Schlick, J. (CERDIC, Strasbourg): **Study of the indexing and evaluation of a thesaurus for research in the humanities: the relations documentation – research.** (In French). Paris: CNRS 1973/74. 66 p., 3 p. refs. = DGRST-7371662
Investigation into the possibilities of using a thesaurus for religious sciences and the Program CONCORDIA in the documentation of the humanities.

1809 Killian, J., Roberts, J., Vorster, W., Williams, S.: **An information retrieval system for New Testament Research.** In: South African Libr. 42(1974) No. 1, p. 7–14, 15 refs.
Construction of a thesaurus commenced in 1972. New Testament Abstracts is being indexed as well as Internationale Zeitschriftenschau für Bibelwissenschaft und Grenzgebiete.

1810 Tavassi La Greca, M. T.: **Towards a classification for practical theology.** (Per una classificazione della teologia pastorale). (In Italian). In: Studi pastorali 7(1974) No. 4, p. 52–75
Story of the efforts of the Centro di orientamento pastorale (COP) towards revision of UDC 25. Brief illustration of the schemes in question.

7 Classification and Language

72 Semantics

1811 Institut für deutsche Sprache, (IdS) Mannheim: **Semantics of words and lexicography.** (In German). Jahrestagung Mannheim, 19.3.–22.3.1975. Mannheim: IdS 1975. 60 p., 53 figs., 2 tabl.
16 Vorträge in 2 Themenkreisen: Wortschatz- und Grammatiktheorien und Lexikologie und Lexikographie des Deutschen. Der vollständige Wortlaut erscheint in "Jahrbuch 1975" der Reihe "Sprache der Gegenwart", Verlag Schwann, Düsseldorf.

1812 Palibina, I. V.: **On recognition of semantic image.** (In Russian). In: Vopr. Romansk. Jasykosn., Kalinin 1974. p. 136–141
Discussion of some features and concepts preliminary to the investigation into automatic understanding of the meaning of a text, as e. g. semantic space, semantic zones and subzones, alphabet of images.

1813 Riesbeck, C. K.: **Computational understanding: analysis of sentences and context.** Stanford, Calif.: Department of Computer Science, Stanford University 1974. 250 p., Reports STAN-CS-74-437, AIM-238, NTIS: AD/A-005 040.
Thesis with the aim to develop a system for computer analysis of written natural language texts that could also serve as a theory of human understanding of natural language.

1814 Šrejder, Yu. A., Uspensky, V. A.: **Semantic aspects of informatics.** In: International Federation for Documentation. Study Committee "Research on the Theoretical Basis of Information": Collection of papers, 24–26 April 1974, Moscow. Moscow: VINITI 1975. p. 152–169
Discussion of the nature of the relationships between semantics and information science as well as of some approaches within semantics (logical, linguistic and ontological semantics) which seem most promising for the further progress in information science.

73 Automatic Language Processing

1815 Hafer, M. A., Weiss, S. F.: **Word segmentation by letter successor varieties.** In: Inform. Storage & Retrieval 10(1974) No. 11–12, p. 371–385, 7 refs.

1816 Rachubo, N. P.: **Study of the vocabulary of a scientific or technical text.** (In Russian). In: Vopr. romansk. jasykoz., Kalinin 1974. p. 142–153
Investigation of the vocabulary of French texts in farm machine building for later possible automatic indexing.

74 Grammar Problems

1817 Anno, E. I.: **Algorithm for the syntactic analysis of a sentence.** (In Russian). In: Naučn.-techn. inform., Ser. 2 (1975) No. 7, p. 16–20

1818 Cornulier, B. de, Borillo, A., Deulofeu, J.: **Study on the limits of syntactical formalization.** (In French). Paris: CNRS 1974. 296 p. = DGRST-7371663

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1819 Galjukšov, B. S.: **The grammars of syntactical groups.** (In Russian). In: Naučn. techn. inform., Ser. 2 (1975) No. 1, p. 31–37, 2 refs.
It is shown how systems of syntactical groups are defined by the chains which are generated by the grammars.

1820 Iomdin, L. L., Mel'čuk, I. A., Pertsov, N. V.: **Fragment of a model for the syntax of surface-Russian.** I. Predicative syntagms. (In Russian). In: Naučn. techn. inform., Ser. 2 (1975) No. 7, p. 30–43, 7 refs.
22 syntagms have been assembled with examples and comments.

1821 Pacak, M. G., Pratt, A. W., White, W. C.: **Automated morphosyntactic analysis of medical language.** In: Inform. Processing & Management 12 (1976) No. 1, p. 71–76, 26 refs.
The automated procedure is based on the recognition of terminal suffixes as syntactic markers. In addition, certain suffixes convey semantic information. The output of the morphosyntactic analysis provides the input for subsequent syntactic and semantic analysis on the sentence level. (Authors, abbr.)

1822 Seelbach, D.: **Computerlinguistik und Dokumentation.** Key-Phrases in Dokumentationsprozessen. (In German). München: Verlag Dokumentation 1975. 151 p., ISBN 3-7940-2643-8. = UTB 468
Investigation and empirical study of translation processes of scientific texts into a syntactically standardized indexing language by partial parsing. (Review see I. C. 3 (1976) No. 1).

76 Lexicon/Dictionary Problems

1823 Armstrong, C. M., Piper, J. R.: **The structuring of an associative empirical thesaurus of English.** In: Siglash Newsletter 8 (1975) No. 2–3, p. 1–7, 11 refs.
Description of a method for the construction of a structured thesaurus of English based on empirically measured associative links between words. For each of the 35000 English words and phrases an environment of related words can be obtained; for the 8400 stimulus words this environment is fairly large. This environment may also be clustered. Due to the network structure of the data, any word occurring in a component of an environment has its own environment structure; one can thus search in the network to an unlimited extent.

1824 Findley, N. V., Viil, H.: **A few steps towards computer lexicometry.** In: Amer. J. Computational Linguistics 1 (1974) Microfiche No. 4
"Lexicometry" is meant to deal with the mathematical and statistical aspects of dictionaries. Principles of constructing, formatting and storing a large data base in dictionary form are established. Programs are developed for displaying, handling and modifying such a data base. Feasibility of solving lexicometric problems on the computer is demonstrated.

1825 Guckler, G.: **Bilingual dictionary for a computerized operational analysis of semantic equivalences.** (In German: Zweisprachiges Wörterbuch für angenäherte operationelle Analyse semantischer Entsprechungen mittels EDV. Aufgezeigt am Beispiel deutscher und italienischer Fachausdrücke) Tübingen: Verlag G. Narr 1975. 300 p. ISBN 3-87808-053-0; = Tübinger Beitr. z. Linguistik 53. DM 38,–
Description of a method for the simulation of the (computerized) look-up process in a multilingual dictionary resulting in the computation of unisemic equivalences for multi-semic words.

1826 Kuhlen, R.: **Quantitative problems in compiling dictionaries inductively.** (In German). In: Nachr. Dok. 26 (1975) No. 4–5, p. 163–167, 6 refs.
Quantified predictions regarding the amount of new words in the inductive compilation of a dictionary from increasingly large sets of text. Only lexical and/or stem forms can be considered as new words. Research on English texts.

1827 Sager, J. C.: **Classification and hierarchy in technical terminologies.** In: Horsnell, V. (Ed.): Informatics 2. Aslib 1975. p. 73–80

77 General Problems of Terminology

See also 1575–77

1828 Drozd, L. (Ed.): **Terminologická Studie 5.** (Collection of scientific papers of the Faculty of Farm Economics and Management. Agricultural College in Prague). Praha: Statni Pedagogické Nakladatelstvi 1975. 177 p., Kčs 19.50
10 Papers of two colloquies on terminology in 1969 and 1971 treating mainly methodological questions. (9 papers in German, one in French). 1829 Jedlička, A.: Prager Theorie der Schriftensprache und die Problematik der Fachsprache. – 1830 Dokulil, M.: Tradition der Prager linguistischen Schule und Beziehung zur terminologischen Sprachbehandlung. – 1831 Roudný, M.: Zur Tätigkeit der Tschechoslowakischen terminologischen Kommission ISO/TC 37. – 1832 Drozd, L.: Zum fachbezogenen Deutschunterricht im Institut für nichtslawische Sprachen. – 1833 Roudný, M.: Die Terminologielehre im Institut für tschechische Sprache der Tschechosl. Akademie der Wissenschaften. – 1834 Reinhardt, W.: Zu einigen grundlegenden Termini der Terminologielehre: Bedeutung – Motivation – Benennung. – 1835 Gerbert, M.: Termini, Fachwendungen und ihre Übersetzbarkeit. – 1836 Filipec, J.: Zur Frage des Systems in der Terminologie. – 1837 Fleischer, W.: Zur Charakterisierung terminologischer Wortbildungsstrukturen. – 1838 Budovičová, V.: La nature conceptuelle des termes techniques et scientifiques.

1839 Fluck, H. R.: **Terminologies. Introduction and bibliography.** Fachsprachen. Einführung und Bibliography. (In German). München: Francke Verl. 1976. 233 p., DM 17.80 = UTB 483, ISBN 3-7720-1159-4
Folgende 10 Kapitel und eine umfangreiche Bibliographie, sachlich gegliedert, S. 193–224. Register.
1. Gegenstände, Definitionen und innere Differenzierung der Fachsprache. 2. Entstehung und Entwicklung der FS im Überblick. 3. Bedeutung der FS in der Gegenwart. 4. Sprachliche Charakteristika der FS. 5. Darstellung einzelner FS aus den Bereichen Wirtschaft, Technik, Handwerk, Verwaltung, Gesellschaft, Wissenschaft und Kunst. 6. Fremdsprachliche Normung. 7. FS in Übersetzung und Unterricht. 8. Fach- und Gemeinsprache. 9. Sprach- und erkenntnistheoretische Hintergründe. 10. Fachsprachen und Sachsprachenforschung in der Zukunft.

1840 Stoberski, Z.: **Guidelines for the adoption of new scientific and technical terms.** In: Babel 21 (1975) No. 1, p. 16–20

78 Special Terminology Problems

1841 Lindemann, H.: **Terminological control of texts in primary publications.** (In German). In: Informatik 22 (1975) No. 5, p. 34–37, 2 refs.
Terminological control is regarded as a new discipline which may contribute to a more effective and quicker communication of information.

1842 Joint Publications Research Service: **Reference aid: glossary of special terms, acronyms and abbreviations as used in East German and other German publications.** Arlington, Va.: Joint Publ. Res. Serv. 1975. 169 p. NTIS: JPRS-64561

1843 Joint Publications Research Service: **Reference aid: abbreviations, acronyms, and special terms in the Turkish press.** Arlington, Va.: Joint Publ. Res. Serv. 1975, 71 p., NTIS: JPRS-64701

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79 Problems of Translation (incl. Multilingucal CS)

1844 Brendler, G.: **Problems in the building of a bilingual (German-Russian) thesaurus.** (In German). In: Dokumentation/Information. Schriftenr. d. Inst. Inform. wiss., Erfindungsw. u. Recht TH Ilmenau (1974) No. 24, p. 57–72, 15 refs.

1845 **Language problems in multilingual thesauri.** (In French). In: Banque des Mots (1975) No. 9, p. 99–108

1846 Moureau, M., Brace, G.: **Linguistic problems in multilingual systems.** (In French). In: Rev. Inst. fr. Pétrole 29(1974) No. 6, p. 767–775, 5 refs.
Examination of possibilities in the application of translation practices for the elaboration of multilingual documentation languages.

1847 Chakraborty, A. R., Shriram, J., Joshi, M. G.: **Translations and translation services.** In: Ann. Libr. Sci. & Documentation 22(1975) No. 2, p. 60–72, 7 refs., 2 App.
Investigation into the international agencies concerned with and the tools for the location of available translations.

8 Applied Classing and Indexing

81 General Problems and Indexing Rules

1848 Charen, T.: Technical notes: **Medlars indexing instructions.** Bethesda, Md.: National Library of Medicine 1975. 125 p., = NLM-MED-75-06, NTIS: PB-241 734

1849 May, R. S.: **Procedural guide to cataloging and indexing historical collections.** In: Spec. Libr. 66(1975) No. 4, p. 217–222, 18 refs.

1850 Venčkovskij, L. B., Ivanov, A. S., Černyšova, R.M.: **Error control in classifiers.** (In Russian). In: Standarty i kačestvo (1975) No. 2, p. 37–39, 94–96
The principal types of error that occur in technico-economic information classifiers and methods for their control are discussed. The general requirements for the module and weight coefficients are defined, and the effectiveness of detection of varying multiple errors is demonstrated for different control procedures. (Author)

82 Data Indexing

1851 Blackwood, J. E., Giles, P. M. Jr.: **Chemical Abstracts stereochemical nomenclature of organic substances in the ninth collective period (1972–1976).** In: J. Chem. Inform. Computer Sci. 15(1975) No. 2, p. 67–72, 10 refs.
The indexing policy of Chemical Abstracts Service has been revised. The new descriptors for stereo-chemistry are more logical and more systematic.

1852 Drozdov, Yu. N., Kuz'min, E. A.: **Automated catalogue of morganic structures.** (In Russian). In: Ž. Strukt. Chim, SSSR 15(1974) No. 4, p. 756–757

83 Indexing of and by Titles, Phrases

1853 Kwok, K. L.: **The use of title and cited titles as document representation for automatic classification.** In: Inform. Processing & Management 11(1975), p. 201–6, 9 refs.

1854 Neufeld, M. L., Graham, K. L., Mazella, A.: **Machine-aided title word indexing for weekly current awareness publication.** In: Inform. Storage & Retrieval 10(1974) No. 11/12, p. 403–410, 6 refs.
Redesign of the Current Contents Weekly Subject Index (WSI) system for the production of indexes to allow the creation of complex bound terms through the use of several stored dictionaries, such as two stop-word, two variant-preferred and two word-phrase dictionaries. Bound terms have greater precision and information content than single title words and their creation increases the efficiency of the WSI for the user. (Authors)

86 Indexing and Indexes of CS

1855 Gehring, G.: **The subject index to the German edition of the International Patent Classification.** (In German). In: Intern. Classificat. 2(1975) No. 2, p. 73–80, 3 refs.
Description of the problems and the computer program for the creation of a first comprehensive subject index to the International Patent Classification resulting in over 113000 alphabetically sorted entries of two keywords or descriptors referring to the notations of the Int. Cl. class descriptions.

1856 Nakamura, Y.: **Automatic production of indexes from schedules.** The case of the Universal Decimal Classification. In: Intern. Classificat. 2(1975) No. 2, p. 81–88
Mainly a discussion of the necessary modifications of the UDC text to facilitate its transformation into an index entry (conforming to the TOCS principle – *T*erm-*o*riented *C*lassification *S*ystem).

1857 Oliveira, Andrade E. de: **An automatic index in natural language for UDC editions.** In: Intern. Classificat. 2(1975) No. 2, p. 89–93, 3 refs.
Description of the automatic production of an index to the UDC-Medium Edition in Portuguese.

87 Indexing of Secondary Literature

1858 Edwards, T.: **Indexing LISA: Chains, KISS and the Bold approach.** In: Indexer 9(1975) No. 4, p. 133–146, 7 refs.
Description of chain indexing in LISA (Library and Information Science Abstracts) and the modifications to the technique made necessary by a practical working situation. Improvements from a retrieval test carried out by E. M. Keen will be considered. (Author, abbr.)

1859 Hunt, B. L., Snyderman, M., Payne, W.: **Machine-assisted indexing of scientific research summaries.** In: J. Amer. Soc. Inform. Sci. 26(1975) No. 4, p. 230–236, 5 refs.
The Smithsonian Science Information Exchange has developed a computer system which indexes word combinations in each summary according to a Classifying Dictionary, prior to review by its professional staff . . . The system differs from some other machine approaches by condensing the multitude of text possibilities into restricted and ordered hierarchies. (Author, abbr.)

1860 Sullivan, L.: **Indexing the Dictionary of the History of Ideas.** In: Scholarly Publishing 5(1974) No. 4, p. 351–356
Preparing an index to the four-volume Dictionary of the History of Ideas proved an unusually creative task. The index was intended not only as a finding tool but as a guide to the range, influence, and interaction of the ideas described. The result is a 479-page volume of its own. (Author)

88 Indexing of Primary Literature and Documents

1861 Holmstrom, J. E.: **Innovations in the indexing of contributions to series of volumes.** In: J. Doc. 31(1975) No. 2, p. 71–92

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Practical advice for the indexing of volumes that contain a number of single contributions by one or different authors.

1862 Thaxton, L., Redus, M. E.: **Of migraines and Maddox: the making of the Atlanta Constitution Index.** In: RG 14(1975) No. 3, p. 225–227
Describes the experience of Georgia State University in producing a newspaper index.

1863 Vukasovic, K.: **Classification and indexing of United Nations documents.** (In Slovene). In: Informatika 9(1975) No. 1, p. 19–23
The classification used is presented, its notation and use is described. For the sold publications another classification is presented. Proposal for a variant of this for the optimal storage of the UN documents.

89 Indexing and classing of pictures, etc.

1864 Ontario Educational Communications Authority. Research and Planning Branch: **Project Operation Index: an approach to content analysis and indexing of videotapes.** Toronto: Ontario Educ. Communic. Authority 1974. 25 p., EDRS:ED 094 792
Three projects, each covering certain selected aspects of a potential information storage and retrieval system, were part of a study to explore various means for extending the usefulness of audio-visual materials.

1865 Tansey, L.: **Classification of research photographs and slides.** In: Libr. Trends 23(1975) No. 3, p. 417–426, 4 refs.

9 Classification "Milieu" (Org. & Econ.)

1866 **Ethics and specifications.** In: The Indexer 9 (1975) No. 4, p. 174–177
The American Society of Indexers prepared and passed a statement on the ethical responsibility of indexers and publishers and specifications for indexes.

95 Education and Training in Classification and Indexing

See also 1632

1867 Chan, L. M., Smith, T. A.: **Computer-assisted instruction in DDC.** In: J. Educ. Librarianship 16(1975) No. 1, p. 33–40, 7 refs.
An experimental computer-assisted instruction program (CAI) has been developed at the College of Library Science, University of Kentucky, to facilitate the teaching of the Dewey Decimal Classification in the required introductory course. Format, test, learning processes analysis, cost and evaluation of the program are reported.

1868 **Curriculum in Classification.** In: Intern. Classificat. 2(1975) No. 2, p. 109
Presentation in English of the Brasilian ideas on the contents of classification teaching for librarians and documentalists. The program worked out by the Brasilian Association of Schools in Library Science and Documentation (ABEBD) comprises altogether 180 hours to be distributed over a two years' period.

1869 Heinrich, G.: **Concerning didactics and methodology of the subject "classing and indexing".** (Zur Didaktik und Methodik des Faches "Sacherschließung") (In German). In: Jung, R., Sickmann, L. (Eds.): Bibliothekarische Ausbildung in Theorie und Praxis. Köln: Greven Verlag 1975. p. 203–216, 42 refs.

97 Economic Aspects in Classification and Indexing

1870 Campey, L. H.: **Costs of producing KWIC/KWOC indexes.** In: Inform. Storage & Retrieval 10(1974) No. 9/10, p. 293–307, 7 refs.
Cost data were obtained by measuring the indexer and clerical effort associated with each run of INDACS (a KWIC/KWOC package from the London Univ. Computing Services Ltd.). Three component costs which determine the overall costs are indexer cost, data preparation cost and machine cost.

99 Standardization in Classification

1871 Kluth, R.: **Uniform classification for the libraries of the Federal Republic of Germany.** (In German). In: Z. Bibliotheksw. u. Bibliographie 22(1975) No. 4, p. 327–333
On the basis of the classification scheme used in the Bavarian State Library as applied to philosophical works students counted the number of items classed with one and the same composite notation. If a number of equal notations could be found, a class was formed and a new notation was provided, thus creating what was termed the "Double notation system". A table shows this procedure for the subject of Philosophy.

1872 Otto, F.: **Uniform classification.** (In German). In: Bibliotheksdienst (1975) No. 5, p. 265–271
Discussion of some problems, the most pressing being the necessity for a standardised terminology for use with shelf guides, catalogues and machine retrieval.

Klaus Schneider

Computer Aided Subject Index System

1976. 205 pages, illustrations. Paper DM 36.00. ISBN 3-7940-2810-4

This subject index system is based on practical experience with subject indexing, with the Subject Index to Food Science and Technology Abstracts (FSTA), for which the Zentralstelle für maschinelle Dokumentation (ZMD), Frankfurt/Main, is responsible for all computerized operations.

Karen Sparck Jones / Martin Kay

Linguistik und Informationswissenschaft

Translated into German by Elizabeth Couper and Rainer Kuhlen
= UTB Uni-Taschenbücher Band 571. 1976. 256 pages. DM 18.80. ISBN 3-7940-2653-5

This study looks into the linguistic aspects of information science, in particular the linguistic components of the analysis, description and retrieval of documents.

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