CLASSIFICATION LITERATURE

2 (1975) No. 1 (754–1126)

In the last issue we announced to publish a survey on the classification literature of the past years arranged according to the outline given on p. 109 of I.C. 1974–2. We did assemble the literature of 1973 and 1974 but we counted altogether almost 750 bibliographical units. Its printing would of course exceed by far the space given to us in this journal. Thus we had to decide to cut off all the titles from 1973, except for the ones from the form divisions. By doing so, some groupings of our outline remained without entries.

We would like to suggest that students and/or other volunteers might work out bibliographies to the special groupings of this outline up to the year 1974 to be published in future issues of this journal.

The outline of the form and subject categories has been modified slightly. In the next issue the revised outline will be printed.

0 Form Divisions

01 Bibliographies

754 Matthis, R. E., Taylor, D.: **Reclassification considered: a bibliography.** In: Matthis, R. E., Taylor, D.: Adopting the Library of Congress classification system. New York–London: R. R. Bowker 1971. p. 149–194
171 titles in alphabetical arrangement on reclassification, each with an abstract.

02 Literature Reviews

755 Batten, W. E.: **Document description and representation.** In: Ann. Rev. Inform. Sci. & Technol. (ARIST) 8(1973) p. 43–68, 111 refs.
Review of the 1972 literature on document representation which is defined as surrogation, condensation, categorization and classification.

756 Elrod, J. M.: **Year's work in cataloguing and classification.** In: Libr. Resources & Techn. Serv. 17(1973) No. 2, p. 175–200, 120 refs.
Review of the literature for 1972. Material presented under the following headings: time and cost studies, catalog use studies, automation, classification and subject headings, nonbook cataloging and, international standardization.

757 Chan, L. M.: **Year's work in cataloguing and classification.** In: Libr. Resources & Techn. Serv. 18(1974) No. 2, p. 101–111, 65 refs.
Survey on the development in 1973, which seemed to have been characteristic in better cooperation and more standardization. Data are given on the use of the Dewey Decimal Classification and the Library of Congress Classification in libraries of Australia, Britain and the USA.

758 Fritsche, M.: **Automatic clustering techniques in information retrieval.** Luxemburg: European Communities 1974. 145 p., 155 refs. = EUR 5051e
State of the art report on automatic clustering techniques; reviews research since 1967.

759 Sparck, Jones, K.: **Automatic indexing 1974: a state of the art review.** Cambridge, England: Univ. of Cambridge, Computer Lab. 1974. 100 p. = OSTI report 5193

760 Stevens, M. E.: **Strategies for organizing and searching.** In: Fenichel, C. (Ed.): Changing patterns in information retrieval. Washington, D.C.: Amer. Soc. Inform. Sci. 1974. p. 47–79, 171 refs.
Survey on the last ten years with special emphasis given to: online dialog and search logic, statistical association techniques, machine-aids to search negotiation, free-text searching, automatic, semi-automatic and machine assisted subject categorization.

761 Sousa, G.H.B.P. de: **Classificaçao automatica: revisao da literatura.** (In Portuguese). In: Rev. Escola Bibliotecon. Univ. Fed. Minas Gerais 2(1973) No. 2, p. 218–237, 42 refs.

03 Dictionaries, Terminologies

see also 879, 929, 1007

762 Gaudenzi, N.: **Thesaurus – and old term for a modern tool.** (Tesauro: antico termine per uno strumento modemo della documentazione). (In Italian). In: Boll. Inform. Doc., Italy 13(1974) p. 13–22, 11 refs.
History of the term and present structure and use of thesauri.

04 Classification Systems and Thesauri

763 **INIS Thesaurus, Rev. 7.** Wien: International Atomic Energy Agency 1974. 598 p. = IAEA–INIS 13.
The 7th ed. covers nuclear physics and reactor technology and related topics and contains 13 155 descriptors and 3 805 non-descriptors.

764 Centre National de la Recherche Scientifique. Centre de Documentation: **Thésaurus polymères.** Liste alphabétique, hiérarchie des descripteurs, index alphabétique de la liste hiérarchique. (In French). Paris: CNRS 1973. VI, 146, 44, 25 p.

765 Arnaud, P.: **L'officiel des plastiques et du caoutchouc présente: le thésaurus encyclopédique des plastiques et élastomères.** I. (In French). Avignon: SADEP 1973. 475 p.

766 **Thesaurus économie de l'énergie.** (In French). Paris: Techniq. 1974. 217 p. = ISBN–271080235X.

767 Javornicky, P., Soeder, C. J., Komarek, J., Lhotsky, O.: **Phycological documentation code.** In: Arch. Hydrobiol. Suppl. 41(1974) No. 4, p. 450–481.

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Code for the classification of data published in the ČSSR on marine seaweed. Systematical and alphabetical lists of 950 concepts.

768 Henry, J.M., Ergo, A.B., De Haes, W.: **Thesaurus des symboles agrobioclimatiques, géographiques et techniques. III–IV.** Le catalogue des expressions climatiques parisyllabiques. (2 Vols.) (In French).
Cent. Inf. Appl. Dév. Agric. Trop. 1973–1974. 1170 p., 11 p. refs.

769 **Medical subject headings: Alphabetic list 1975.** Bethesda, Md.: U.S. National Libr. of Medicine 1974. 339 p., $ 7.50 = PB 234 189/9WL.

770 **Permuted medical subject headings-1973.** Bethesda, Md.: U. S. Naional Libr. of Medicine 1973. 721 p. = PB 214 334/5
Permuted list of all multiword terms in the NLM thesaurus of medical terms.

771 **Thesaurus of biomedical engineering and data processing.** Alphabetical list. Hierarchical list of descriptors. Alphabetical list to the hierarchical list. (In French). Paris: C.N.R.S. 1974. VIII, 209 p.

772 Schultz, C. K.: **Social and rehabilitation service (SRS) research information system thesaurus.** Washington, D.C.: U. S. Dept. of Health, Education and Welfare. Social and Rehabilitation service.Div. of Res. Utilization 1972. 68 p. $ 1.25
Alphabetical thesaurus with display of 7 hierarchies and a word index to multiword terms.

773 Merwe, C. van de, Jong, A. M. de, Knapen, J.M.P.: **Thesaurus of sociological research terminology.** (In English). Rotterdam: Rotterdam Univ. Press 1974. 469 p., Dfl. 45,– (ISBN 90 237 6227 4)

774 Paré, S., Voionmaa, N.: **Thésaurus géographie de la population.** Paris: CNRS 1974. 49 p., 3 refs.

775 **Thésaurus politique.** Liste alphabétique. Schémas fléchés. 2e ed. Paris: Secr. Gén. Déf. Natl. 1973. 80 p.

776 **Disclosure financial thesaurus.** Silver Spring, Md.: Disclosure, Inc. (1400 Spring Street) 1974. 272 p.
Thesaurus of 11 200 terms for business activities, legal questions, securities and security transactions, finances and accounting, banking and insurance.

777 **Thesaurus of accounting and auditing terminology.** New York, N. Y.: Price Waterhouse & Co., (1251 Avenue of the Americas) 1974. 158 p.
Thesaurus consists of 3741 main term entries. Broader/narrower terms are indicated, as are related terms.

778 Shillaber, C.: **A library classification for city and regional planning.** Boston, Mass.: Harvard Univ. Press 1973. 100 p., $ 7,–
Essentially a revision of Pray and Kinball's city planning classification of 1913 and including the classification of A. C. Comey an K. McNamara's state and national planning (1937). Design model according to Library of Congress classification.

779 **Subject headings for real estate libraries.** 2nd. ed. Chicago, Ill.: National Assoc. of Realtors 1973. 201 p., $ 10,–

780 Dusoulier, N., Gmach, M.: **Thésaurus informatique.** (In French). Paris: CNRS 1974. 106 p.
The thesaurus comprises: alphabetical list of terms, hierarchical list of descriptors, alphabetical index to the hierarchical list, and a correspondence to the resp. vocabularies (in English) of INSPEC and SHE. The hicrarchisation of concepts was done within eight facets.

05 Periodicals and Serials

Continuation of list in Nos. 1 and 2 of 1974.

781 **Cataloging Service.** Library of Congress. Processing Department, Washington, D.C. Bull. 109, May 1974, Bull. 110, Summer 1974 (quarterly)
The service is sent automatically to all subscribers to the Library of Congress Catalog Card Service. Nonsubscribers may address request to Card Division, Library of Congress, Building 159, Navy Yard Annex, Washington, D. C. 20541. No charge for subscriptions.
Contains advice concerning descriptive cataloging, subject cataloging, classification and shelflisting. References to new LC-publications.

782 **CLASS. Classification Literature Automated Search Service.** The Classification Society. North American branch. Bibliographic committee. W. Wayne Moss (Chairman), Academy of Natural Sciences of Philadelphia, Pa. 1(1973)–; issued twice/ann.
Bibliography provided by the Automatic Subject Citation Alert (ASCA) service of the Institute for Scientific Information (ISI), Philadelphia through computer hits of articles citing one or more articles from a 50-reference profile of known articles in classification, esp. numerical taxonomy. Vol. 2, No. 2, issued June 1, 1974 thus contains 471 citing articles and their permuted title index. Service only for members of the Society.

783 **IBBD/CDU Informativo** (In Portuguese). Instituto Brasileiro de Bibliographia e Documentação. Comissão Brasileira de Classificação Decimal Universal, Avenida General Justo 171–4° andar, 20000 Rio de Janeiro, Brasil. 1 (1973) No. 1–; irreg.
Information about meetings, publications, courses and information on the UDC schedules in the Portuguese language.

784 **Klassifikacija i Kodirovanie.** (Classification and coding. Scientific and technical information bulletin) (In Russian). Gos. Kom. Standartov Sov. Min. SSSR, BNII techn. inform., klassifik. i. kodir., Moskva. 1974–; (No. 1, 28 p.)

785 **Language Planning Newsletter.** Culture Learning Institute. East-West Center,Honolulu, Hawaii. 1975–; three or four times ann.
Distributed free of charge to interested persons or institutions. Carries lead articles, announcements on meetings, etc., descriptions of research in progress, notices of books and articles, short book reviews.

786 **Novoie v UDK** (New in UDC). (In Russian). All-Union Scientific and Research Institute for Technical Information, Classification and Coding – VNIIKI, Ščuseva 4, Moskva. 1971–; irregular.
Extension volumes to the Russian UDC (besides the translations of FID-s official „Extensions and corrections to the UDC", see Intern. Classificat. 1(1974) No. 1, p. 58, item 521). So far 9 extension volumes have appeared.

06 Conference Reports, Proceedings

787 Moskovič, V. A.: **On the proceedings of the All-Union seminar on information languages (1970–1973).** (In Russian). In: Naučn.-techn. Inform. Ser. 2(1973) No. 8, p. 40–43.
Review of the major papers presented at this seminar and list of its preprints.

788 Wojciechowski, J. A. (Ed.): **Conceptual basis of the classification of knowledge.** Proc. Ottawa conf. ... Oct. 1–5, 1971. Pullach b. München: Verl. Dokumentation 1974. 503 p.
Contains a foreword by the editor, the list of contributors and the following 22 papers presented or contributed: 789 Wojciechowski, J. A.: The philosophical relevance of the problem of

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classification of knowledge. – 790 Grolier, E. de: Le système des sciences et l'évolution du savoir. – 791 Bhattacharyya, G., Ranganathan, S. R.: From knowledge classification to library classification. – 792 Diemer, A.: L'ordre (classification) universel de savoirs comme problème de philosophie et d'organisation. Mölgaard'Hansen, R.: On the problem of universality in knowledge classification. – 793 Shea, W. R.: The classification of scientific terms as "theoretical" and "observational" in contemporary philosophy of science. – 794 Dobrowolski, Z.: Secteurs scientifiques autonomes et leur rôle dans la classification des sciences. – 795 Suppe, F.: Some philosophical problems in biological speciation and taxonomy. – 796 Bernier, R.: Comments upon Prof. Suppe's paper on "Some philosophical problems in biological taxonomy and speciation". – 797 Lafrance, G.: Le problème épistémologique de la classification dans les sciences humaines sociales. – 798 Heelan, P. A.: The logic of changing classificatory frameworks. – 799 Ashworth, E. J.: Classification schemes and the history of logic. – 800 Hooker, C. A.: The impact of quantum theory on the conceptual bases for the classification of knowledge. – 801 Datta, S., Farradane, J. E. L.: A psychological basis for general classification. – 802 Richmond, Ph. A.: Review of Suman Datta and Jason E. L. Farradane. A psychological basis for general classification. – 803 Jolley, J. L.: The Holotheme: A paper submitted to the First Ottawa Conference on the Conceptual Basis of the Classification of Knowledge. – 804 Fairthorne, R.: Addendum to "The Holotheme": Presentation. – 805 Austin, D.: A conceptual approach to the organisation of machine-held files for subject retrieval. – 806 Perreault, J. M.: Commentary (to the paper of D. Austin). – 807 Fairthorne, R. A.: Temporal structure in bibliographical classification. – 808 Richmond, Ph. A.: Review of R. A. Fairthorne, Temporal structure in bibliographical classification. – 809 Wåhlin, E.: The AR Complex – Adapted systems used in combination with a common reference system. – 810 Dahlberg, I.: Principles for the construction of a universal classification system. A proposal. – 811 Kedrov, B. M.: Klassifikacija nauk. Ee principy, ee cikličeskaja forma. – 812 Lacharité, N.: Questions about "classifiables" and "classifyers" submitted as a commentary to various papers.

813 **Optimisation problems of conventional information retrieval systems in libraries.** (In Russian). Sbornik Trudov XI Naučn. Konf. Biblioteki Akad. Nauk SSSR, 30 Maja–2 Iunija 1972 g. Leningrad: Biblioteka Akad. Nauk SSSR 1974. 311 p.
Conference was concerned with the optimal presentation and use of the Russian Library-Bibliographical Classification (LBC). – 814 Panov, A. A.: On the main directions of LBC optimisation. – 815 Teslenko, O. P.: The LBC optimisation programme. – 816 Suchmaneva, E. G.: Concerning some aspects of the unification of LBC notations. – 817 Trapeznikova, L. V.: Some aspects of optimisation of special common subdivisions in the LBC. – 818 Iremašvili, A. V.: Some aspects of refining LBC tables. – 819 Kaganova, M. Ja.: Optimal solutions for the arrangement by, and conversion to, the LBC of the main classified catalogue of the Central Research Library, Academy of Sciences of the Ukrainian SSR. – 820 Murav'eva, N. V.: Optimising the natural sciences classes in the LBC. – 821 Belen'kaja, M. V.: First results of the optimisation of LBC life sciences classes. – 822 Kolojarcev, M. V. et al: First results of the optimisation of the LBC life sciences classes at the USSR Academy of Sciences Library. – 823 Kolojarcev, M. V., Nekrasov, B. V.: The structure of "E 693.34 Reptiles. Herpetology" in the 6th volume of the LBC and its version developed at the USSR Academy of Sciences Library – a comparative study. – 824 Maslovec, R. D.: Some aspects of the improvement and development of "E I Paleontology" in the 6th volume of the LBC. – 825 Kudrin, V. I.: Some periodisation problems in the LBC schedule for civil history. – 826 Čirina, T. D.: Some problems in classifying linguistic literature by the LBC, with a special reference to the USSR Academy of Sciences Library. – 827 Komarova, V. P.: The problem of literary genres and the LBC scheme. – 828 Ivanova, N. I.: Categorial analysis of "N 626 Concrete and ferro-concrete work" in the 19th volume of the LBC.

829 **Introduction problems of the Library-Bibliographical Classification,** Collected papers. Vol. 1, Pts. 1 and 2. Proceedings of the Conference of library guidance centres on the introduction of the LBC, Moscow 2–5 Oct. 1972. (In Russian). Moscow: Gos. Bibl. SSSR Im. V. I. Lenina 1973. Pt. 1, 151 p., pt. 2, 139 p.
830 Žuržalina, N. P.: Introduction of the LBC in this countries libraries: current situation and outlook. – 831 Parijskij, V. L.: BBC at the M. E. Saltykov-Shchedrin State Public Library. – 832 Gudzenko, E. S.: Experience with the LBC in libraries of the Ukraine. – 833 Panov, A. A.: Experience with the LBC at the USSR Academy of Science Library. – 834 Murav'eva, N.V.: Experience with the LBC in the USSR Academy of Science Library Network. – 835 Leona, O. I.: LBC at the libraries of the Siberian Division of the USSR Academy of Sciences. – 836 Poluden', V. V.: Introduction of the LBC at the V. Stefanik Lvov Research Library, Academy of Sciences of the Ukranian SSR. – 837 Dorofeeva, N. A.: Abridged LBC edition for research libraries. – 838 Aržanaja, G. I.: Results of the publication of the first series of extensions and corrections to the LBC. – 839 Bobkova, G. I.: LBC in military research libraries. – 840 Tezinova, E. A.: The elaboration of national Ukrainian subjects on the basis of the LBC. – 841 Paramonova, A. A.: Experience of the Lenin State Library of the USSR in converting to the LBC the open-access collections of its research reading room. – 842 Karaseva, I. L.: LBC in the country's academic libraries. – 843 Evstratov, G. A.: On the introduction of the LBC in the library network of the Kiev Institute of Civil Aviation Engineers. – 844 Solomatina, N. B.: LBC in trade-union libraries. – 845 Koltypina, G. B.: LBC in music libraries and music divisions of general libraries. – 846 Kozlova, A. V.: LBC in the map division, Lenin State Library of the USSR. – 847 Koval', L. M.: Information on the use of the LBC in foreign countries. – Decision of the Meeting of Library Guidance Centres on the introduction of the LBC.

848 Šaumjan, S. K., Soboleva, P. A.: **The all-union scientific conference on "Relationship of natural and artificial languages" Moscow, Oct. 1972.** (In Russian). In: Izv. AN SSSR Ser. Lit. i Jasyka 32(1973) No. 5, p. 470–474
The Conference discussed the following issues: (1) natural languages and artificial sign systems; (2) languages of science; (3) natural languages and information languages; (4) natural languages and formal languages; (5) metalanguages of linguistic description; and (6) natural and artificial languages of international communications. (Summary from Abstr. J. (Ref. Žur.) Informatics (1974) No. 4, p. 16)

849 **Report of a meeting of the European Branch (of the Classification Society), 2 Oct. 1973, on theory of classification.** In: Class. Soc. Bull. 3 (1974) No. 2, p. 24–26.
Reports in short about the presentations by R. Crawshay-Williams, B. S. Everitt (aspects of data structure) and G. C. Gower (distinctions between different methods of classification) at a meeting on 2 Oct. 73 at the Royal Society of Medicine, London.

850 David, A.: **Symposium international sur les thésaurus multilingues.** (Unesco, Berlin 8–10 Oct. 1973). In: Documentaliste 11 (1974) No. 1, p. 41–42.

851 Regt, W. de: **Symposium on Multilingual Thesauri.** Unesco, Berlin (West), Oct. 8–10, 1973. In: Intern. Classifict. 1 (1974) No. 1, p. 43.

852 **Symposium über den Wissenschaftsbegriff, 23.–24. 11.1973.** In: Intern. Classificat. 1 (1974) No. 1, p. 44.
Short report on the Symposium in Hannover FRG, sponsored by the G. W. Leibniz-Gesellschaft on the science-concept in the natural sciences and the humanities.

853 Nitecki, A. (Ed.): **The Dewey Decimal Classification and African studies: selected papers presented at a conference on problems of classification for Africana** held at the Univ. of Ghana, 22–24 Nov. 1973. Legon: Univ. of Ghana, Dept. of Libr. & Archival Studies 1974. 73 p. = Occ. Paper No. 9
Proceedings of the conference entitled "Dewey Decimal Classification 1873–1973: positive view from Africa". 854 Nitecki, A.. African studies in the seventies. – 855 Nitecki, A.: The role of classification in the library. – 856 Kisiedu, C. O.: One hundred years of the Dewey Decimal Classification ... – 857 Oddoye, E.

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O.: Dewey Decimal Classification and Africana. – Summary and recommendations.

858 **Wissenschaftssprache – Umgangssprache, 17 –20. Jan. 1974.** In: Intern. Classificat. 1 (1974) No. 1, p. 44–45
Short report on a colloquim, sponsored by the Werner-Reimers-Stiftung in Bad Homburg, FRG, on scientific language vs ordinary language.

859 Belkin, N. J.: **Informatics II.** Report on the Annual Conference of the Aslib Coordinate Indexing Group, Oxford, England, 25–27 March 1974. In: Intern. Classificat. 1(1974) No. 2, p. 95–96.

860 **Report of a joint meeting of the Forensic Science Society and the European Branch of the Classification Society on classification in forensic science, 19 April 1974.** In: Class. Soc. Bull. 3 (1974) No. 2, p. 27–30
Report on the following 8 topics presented at the University of Newcastle-upon-Tyne on April 19, 1974: D. Catlin (on relations between plant taxonomy and forensic studies), D. Stanwix (on identification and classification of fingerprints), R. E. Stockdale (on subjective identification), P. H. N. Wood (on the distinction between the processes of classification and identification), D. Willson and D. Neylan (on "Classification of hydrocarbon types in fire debris"), K. Smalldon and C. A. Pounds (on the effectiveness of identification procedures in crime detection), J. A. J. Ferris (on medical identification of human remains) and S. V. Cunliffe (on classification of crimes).

861 Wilson, E.: **Report on automatic indexing workshop, 29–30 April 1974, George Hotel, Crawley.** Canterbury, England: Univ. of Kent, Computing Lab. 1974. 44 p. = OSTI Report 5194

862 Felber, H.: **ISO/TC 37 – Terminology – Fifth Meeting, Vienna, Austria, June 4–7, 1974.** In: Intern. Classificat. 1 (1974) No. 2, p. 96–97

863 **Unified IR language system within the international scientific and technical information system.** Intern. Symposium, Moscow 10–12 Sept. 1974. Program and Abstracts. (In Russian) Moscow: Meždunarodn. Centr Naučn. i Techn. Inform. 1974. 44 p.
Symposium program and abstracts of papers contributed by specialists from ICSTI member countries and Unesco. Papers are grouped in three sections: (1) IR languages and their development trends; (2) IR language compatibility problems; and (3) automation of IR language design and utilisation. (Summary from Abstr. J. (Ref. Zur) Informatics (1974) No. 12)

864 Zunde, P. (Ed.): **Information utilities.** Proc. 37th ASIS Ann. Meeting Atlanta, Ga., Oct. 13–17, 1974. Washington, D. C.: Amer. Soc. Inform. Sci. 1974. 278 p. = Proc. ASIS 11
The volume contains the texts of 57 papers which is only a fraction of what has been contributed and was presented at this conference with more than 1300 participants. The following papers relating to classification are the few published ones. For the publication of the others the authors will have to take care themselves. 865 Leonov, V. P., Soergel, D.: Compressing and abstracting of information for information utilities. – 866 Tarr, D., Borko, H.: Factors influencing inter-indexer consistency. – 867 Kwok, K. L.: Cited titles: a new source of keyword extraction for automatic document classification and retrieval. – 868 Hines, T. C., Kolanowski, S. J.: Initial stages of deriving an indexing structure and a classification scheme or thesaurus for an information utility serving professionals in prosthetics, orthotics and sensory aids. – 869 Kuch, T. D. C., Magnuson, R.: A network-oriented interactive system for computer-supported indexing. – 870 Dahlberg, I.: Classification systems: information source on concepts and their relations.

09 Standards, Guidelines

871 ISO 2788, 1974. **Documentation guidelines for the Establishment and development of monolingual thesauri.** Geneva: Intern. Org. for Standardization 1974. 37 p.

872 Z 47–100, 1973. **Règles d'établissement des thesaurus en langue francais.** Paris: Assoc. Francais de Normalisation (AFNOR) 1973. 20 p.
This standard also contains a flow diagram for the construction of thesauri as well as a clarification of the terminology involved.

873 GOST 18383–73: **Information retrieval thesaurus. General representation.** (In Russian)
Russian thesaurus guidelines based on the ISO/TC 46 (1041 E) recommendations of August 1971.

1 Theoretical Foundations of Classification

11 General Theory of Order

see also 849

874 Diemer, A.: **Studies towards a general theory of order. I.** (Studien zur allgemeinen Ordnungslehre) (In German). In: Intern. Classificat. 1 (1974) No. 2, p. 61–68
This first one of a series of articles on a general theory of order deals with the foundation, esp. the constitution of a general theory of objects.

875 Fugmann, R.: **Durch Computereinsatz zu höherer Ordnung in der Fachliteratur.** In: Krückeberg, F. et al (Hrsg.): Computer und Gesellschaft. Stuttgart: Wiss. Verl. Ges. 1974. p. 125–138

12 Conceptual Basis of Classification

see also 788

876 Dahlberg, I.: **Towards a theory of the concept.** (Zur Theorie des Begriffs.) (In German). In: Intern. Classificat. 1 (1974) No. 1, p. 12–19, 36 refs.

877 Kločkovskaja, R. D.: **On logical foundations of systematic classification of knowledge.** (In Russian). In: Metodol. Vopr. Nauki, Vyp. 2, Saratov, Saratov. Univ. (1974) p. 36–47, 23 refs.

878 Orudžev, Z. M., Chudjakov, S. S.: **Correlation of the empirical and theoretical concepts in the structure of scientific knowledge.** (In Russian). In: Nauč. Dokl. Vyss. Školy. Filos. N. (1974) No. 2, p. 48–57

13 Mathematics of Classification

Numerical Taxonomy see CL 51

879 Feitscher, W.: **Mathematization problems in information science. (Probleme der Mathematisierung in der wissenschaftlich-technischen Information.)** (In German). In: Informatik, DDR 21 (1974) No. 3, p. 50–54, 7 refs.
Underlines the significance of mathematical methods in a formalized description of recognitions and relations. Explanation of the term/concept 'algorithm' was well als mathematical approach for the concepts of 'classification', 'classify' and 'classes'.

880 Hüther, H.: **Mathematical description of relations in automatic indexing and retrieval.** (Mathematische Beschreibung von Relationen im automatischen Indexing und Retrieval.) (In German). Berlin–Köln–Frankfurt: Beuth-Verl. 1974. 93 p., DM 15,– = ZMD Schriftenreihe, ZMD–A–24

15 Psychology and Epistemology of Classification

881 Rieger, C.: **Conceptual memory.** Stanford Univ., Computer Science Dept. 1974. Ph. D. Thesis

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882 Wettler, M.: **Über die Struktur des semantischen Langzeitgedächtnisses.** Castagnola, CH: Istituto per gli Studi Semantici e Cognitivi 1974. 57 p. = Working Paper No. 10

16 Development of Science and Classification

see also 852

883 Kedrov, B. M.: **Concerning the synthesis of the sciences.** In: Intern. Classificat. 1(1974) No. 1, p. 3–11.
A presentation of types of processes leading to a theoretical synthesis of contemporary scientific knowledge, e. g. a synthesis by law, by correspondence, or by opposition ...

884 Neelameghan, A.: **Interdisciplinary research and classification problems.** A case study. In: Libr. Sci. Slant Doc. 11(1974) No. 1, p. 1–4, 10 refs.

885 Small, H., Griffith, B. C.: **The structure of scientific literatures. I: Identifying and graphing specialties.** In: Science Studies 4(1974) p. 17–40
Report on a first experiment using a new computer-based technique to identify clusters of highly interactive documents in science. Method used: co-citation (the number of times two documents have been cited together) not to be mixed with bibliographic coupling, (when two papers cite one or more papers in common). Data thus received indicate that e. g. the biomedical literature presents a structure that is quite different from the physical sciences.

886 Sokal, R. R.: **Classification: purposes, principles, progress, prospects.** In: Science 185(1974) Nr. 4157, S. 1115–1123, 51 refs.
Profound justification of a new approach to the art and science of classification. "The recent great increase in classificatory work is intimately related to the development of the electronic computer." "An unprecedented number of scientists is at work and new, automated methodologies are yielding information on many properties of numerous objects." Discussing the aspects as given in the title, the advantages of a conscious use of classificatory methods in science are shown.

17 Classification Problems

887 Faegri, K.: **Indexing, classifying, searching as seen from the academic workshop floor.** In: Proc. Full Board Meeting, ICSU AB, London 1973. Paris: Intern. Council of Sci. Unions. Abstr. Board 1974. p. 303–313

888 Fugmann, R.: **The Glamour and the Misery of the Thesaurus Approach.** In: Intern. Classificat. 1(1974) No. 2, p. 76–86, 20 refs.

889 Haendler, H.: **Subject control – the decisive point for making AGRIS useful.** In: Quart. Bull. Intern. Assoc. agricult. Librar. & Documentalists (IAALD) 19(1974) No. 1, p. 72–81
Critical evaluation of the arrangement of the first issue of AGRINDEX and proposal for a new approach using the principles of flexibility, economics and creativity in establishing a documentation language with faceted arrangement.

890 Kent, Allen: **Unsolvable problems in information science.** (In Rumanian). In: Probl. Inf. Doc. 8(1974) No. 4, p. 262–281, 8 refs.
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Chaumier, M. Moureau, M. B. Pottier, D. Vataire, M. Blamoutier, M. Faure, M. Yanez, M. Sag. The viewpoints were mostly in favour of documentation languages.

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about 220 000 words from the NASA bibliographic file and an "established" dictionary of significant terms has been created.

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4 On Universal Systems

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see also 813, 829, 1112, 1126

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5 On Special Objects CS (Taxonomies)

51 Numerical Taxonomy

see also 758, 782, 886

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52 On Taxonomies & Nomenclatures for Chemicals

see also CL 36 and CL 82

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1001 Ševjakova, L. A.: **Chemical compound subsystem: coding and retrieval.** (In Russian). In: Vopr. Inform. Teorii i Praktiki No. 24. Moskva 1974. p. 27–60, 87 refs.

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57 On Commodity CS

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Pilot study linking theory and practice on possibilities of improving Commodity Communication for all groups concerned: Characterization of problem-area, description of German and foreign commodity language and information systems. Discussion of costs and savings. Proposals for harmonizing language systems and for cross-linking commodity information systems and data banks. Author

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58 On CS for Kinds of Documents

1009 Herrick, E. M.: **A taxonomy of alphabets and scripts.** In: Visible Language 8(1974) No. 1, p. 5–32, 8 figs., 25 refs.

1010 Glickert, P.: **Patent office classification. Its whats and whys.** In: J. ASIS 25(1974) No. 5, p. 308–311

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59 On CS for Objects in Area 9

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6 On Special Subject CS

61 On CS for Mathematics and Area 1 Fields

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

1017 Field, B. J.: **A thesaurus-based indexing and classification system developed for INSPEC products and services.** In: J. Doc. 30(1974) No. 1, p. 1–17, 3 refs.

1018 Deweze, A.: **"THESEE"-Thésaurus pour l'Electricité et l'Electronique: description et méthode d'utilisation.** In: T. A. Informations 15(1974) No. 1, p. 2–51, ca. 15 figs., 7 refs.

63 On CS for the Astro- and Geosciences

1019 Schneider, M.: **Der Arbeitsthesaurus Luft- und Kältetechnik,** ein Arbeitsmittel zur Rationalisierung der wissenschaftlich-technischen Informationstätigkeit. (In German). In: Luft- u. Kältetechn. 10(1974) No. 1, p. 53–56, 10 refs.

1020 David, A.: **Etablissement d'un thésaurus monolingue sur la pollution atmosphérique.** (Rapport final) (In French). Paris: Centre Interprof. Tech. Etud. Pollut. Atmos. 1974. 187 p. 5 refs.
Description of methods used, conditions and planning of work, costs and detailed description of the specific thesaurus parts. (The thesaurus itself see Intern. Classificat. 1 (1974) No. 2, p. 113)

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64 On CS in the Bio-Area

1022 Schrader, S., Leatherdale, D.: **Draft of a documentation language for the International Agricultural Information System (AGRIS)** (In German). In: Mitt. Ges. Bibl. wes. u. Dok. d. Landbaues (1975) No. 22, p. 41–49

1023 Trifu, I., Miza, L. C.: **A list of descriptors used for indexing in storage and retrieval of agricultural information.** (In Russian). In: Organiz. i. Sistema nauč.-techn. Inform. v sel'sk., les. Chosaistve i pišč. prom-sti soc. stran 2. Moskva 1974. p. 99–106
The dictionary for the automated IRS of the Rumanian Centre for Agriculture and Forestry was developed from 300 000 documents. It is in two volumes: the first contains descriptors categorised in semantic fields, the second is an alphabetical listing.

65 On CS in the Human Area

1024 Remiot, P., Lampart, C., Saint, M., Sanz, D., Dusoulier, N.: **Elaboration d'un thésaurus français de génie biomédical et d'informatique biomédicale.** (Rapport final). (In French) Paris: CNRS 1974. 222 p.
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1026 Chiapetti, F. S., Pizzigallo, D.: **An information retrieval experiment in the field of psychology of human relations.** (In Italian). In: Boll. d'Inf. 14(1974) Nos. 2–3, p. 117–127, 7 figs., 11 refs.
A method is described for the construction of a thesaurus in the field of psychology of human relations in small groups.

1027 Regt, W. F. de: **Thesauri in educational documentation: differences in use between thesauri and classification schemes.** Strasbourg: Council of Europe 1974. 15 p.

1028 Tscherne, F.: **Terminology and thesaurus for physical education and sports.** (In German). In: Österr. Ges. f. Dok. u. Inform. (ÖGDI): Erster österr. Dokumentationstag. Wien 1974. p. 93–95

66 On CS in the Socio-Area

1029 Butovskaja, V.: **Classification of literature in the social sciences in public libraries.** (In Russian). In: Bibliotekar' (Moscow) (1974) No. 2, p. 55–58

1030 Groll, H.: **Thesaurus problems: considerations relating to the compilation of a legal thesaurus in German.** In: Intern. J. Law Libr. 2(1974) No. 1, p. 13–19, 13 refs.
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1031 Stillfried, R.: **Thesaurus construction at the Austrian Federal Army.** (In German). In: Österr. Ges. f. Dok. u. Inform. (ÖGDI): Erster österr. Dokumentationstag. Wien 1974. p. 90–92

1032 **Thesaurus for the historical sciences.** (Thesaurus Geschichtswissenschaften.) (In German). In: Zbl. f. Bibl. wes. 88(1974) No. 3, p. 177
A draft of this thesaurus was finished in the DDR in 1973. It contains about 6250 descriptors and terms.

67 On CS in the Economics and Technology Area

1033 Nikolaeva, L. V.: **Methods of forming and representation of planning and economic indices in an information language.** (In Russian). In: Nauč. tr. Centr. n.-i ekon. institut (1974) No. 17, p. 213–226

1034 Schimpfermann, M.: **Experiences gained in the development of an international information system for the building industry.** (In German). In: Informatik, DDR 21(1974) No. 1, p. 8–11, 3 refs.
A German-Russian thesaurus is available in classified and alphabetical order. The incorporation of Hungarian and Czech terms has started as well as the experimental indexing of articles in different languages.

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Report on the development of a classification system for the literature of packaging by the European Packaging Federation.

69 On CS in the Culture Area

1036 Saraeva, G. A.: **The choice and distribution of heading components in a subject catalogue IR language.** (In Russian). In: Nauč. i techn. Biblioteki (1974) No. 3 (125) p. 22–31, 17 refs.
The technique of linguistic description of the IR languages for a part of the subject catalogue in linguistics at the M. E. Saltykov-Shchedrin State Public Library is discussed.

1037 Rasmussen, M.: **Establishing an index of musical instruments and musical subjects in works of Western art: some personal suggestions.** In: Notes (Music Libr. Assoc.) 30(1974) No. 3, p. 460–473

1038 Croghan, A.: **The problems of making a modern indexing language for the fine arts.** In: ARLIS Newsletter (Art. Libr. Soc.) (1974) No. 20, p. 26–31

1039 Gathon, M.: **La classification de la philosophie.** (In French). Bruxelles: Mundaneum (Chaussée de Louvain 696) 1974. 125 p., 64 ref. = FID/C1/74–1
Survey of a multitude of classification schemes throughout history with regard to the classification of philosophy. Part 1 covers the evolution of the classification of knowledge, Part 2 the one of the bibliographical classifications of philosophy. In a 3rd part the contemporary situation of bibliographical classification of philosophy is surveyed. Concludingly – regarding the elaboration of a new classification for the field of philosophy, the difficult situation in finding the proper subdivisions is pointed out.

7 Classification and Language

71 General Problems of Natural Languages, Metalanguages, Semiotics

see also 848, 858

1040 Kaiser, H.: **Language problems.** In: Intern. Classifict. 1(1974) No. 2, p. 87–89
In a thesis-like manner a number of proposals regarding economy in the presentation of information are presented among which in the first place one pointing out the advantage of replacing natural language expressions in favor of codes (decimal numbers) for the representation of concepts in a very precise way.

1042 Pepinsky, H. B.: **A metalanguage for systematic research on human communication via natural language.** In: J. ASIS 25(1974) No. 1, p. 59–69, 85 refs.

1043 Walther, E.: **Introduction into general semiotics.** (Allgemeine Zeichenlehre. Einführung in die Grundlagen der Semiotik.) (In German). Stuttgart: Deutsche Verlagsanstalt 1974. 179 p., 248 refs., DM 14.80
Survey on the history of semiotics from Plato to our present time. Interpretation of the theory of Peirce, its extension and application.

72 Semantics

see also 881, 882, 918

1044 Goldman, N. M.: **Computer generation of natural language from a deep conceptual** base. Castagnola, CH: Istituto per gli Studi Semantici e Cognitivi 1974. 309 p. = Working Paper No. 2

1045 Goldman, N. M.: **Sentence paraphrasing from a conceptual base.** In: Comm. ACM 18(1975) No. 2, p. 96–106, 5 figs., 12 refs.
A model of natural language generation based on an underlying language-free representation of meaning is described ... The model encompasses several diverse classes of linguistic knowledge, which include: (1) executable tests of conceptual properties stored in discrimination nets; (2) information relating conceptual to syntactic roles, stored in a word-sense dictionary, and (3) surface grammatical knowledge, stored in a formal grammar.
Author

1046 Grjaznuchina, T. A., Kuzemskaja, N. A., Skorochod'ko, E. F.: **Semantic analysis in a system for automatic translation into the RX-code information language.** (In Russian). In: Nauč.-techn. Inform. Ser. 2(1974) No. 4, p. 11–17, 39, 13 refs.

1047 Maxwell, E. R.: **The graphical structure of semantic fields.** In: SIGLASH Newsletter 7(1974) No. 5, p. 11–16, 14 refs.

1048 Riesbeck, C. K.: **Computational understanding: analysis of sentences and context.** Castagnola, CH: Istituto per gli Studi Semantici e Cognitivi 1974. 242 p. = Working Papers No. 4

1049 Schank, R. C.: **Understanding paragraphs.** Castagnola, CH: Istituto per gli studi semantici e cognitivi 1974. 37 p. = Working Papers No. 6

73 Automatic Language Processing

1050 Balogh, Z.: **Programme system of word stem forming from words in Hungarian texts.** (In Hungarian). In: Tudom. Müsz. Tajek. 21(1974) No. 7, p. 487–494

1051 Bookstein, A., Swanson, D. R.: **Probabilistic models for automatic indexing.** In: J. ASIS 25(1974) No. 5, p. 312–318, 18 refs.
Study of the pattern of occurrences of words in texts as part of an attempt to develop formal rules for identifying those indicative of content and thereby suitable for use as index terms.

1052 Kuhlen, R.: **Identifying morphological relationships by truncation algorithms.** (Morphologische Relationen durch Reduktionsalgorithmen) (In German). In: Nachr. Dok. 25(1974) No. 4, p. 168–172, 10 refs.

1053 Pfeifer, M.: **Automatic analysis of suffixes.** (Automatische Suffixanalyse) (In German). Luxemburg: European Communities 1974. 106 p., 16 figs., 22 refs. = EUR 5053d

75 Question-answering Systems

1054 Hendrix, G. G., Thompson, C. W., Slocum, J.: **Language processing via canonical verbs and semantic models.** Austin, Texas: Univ. of Texas, Dept. of Computer Sciences and CAI Lab. 1974 (?). = Report NL-16
A natural language question answering system is presented. The system's parser maps semantic paraphrases into a single deep structure characterized by a canonical verb. A modeling scheme using semantic nets and STRIPS-like operators assimilates the sequence of input information. Natural language responses to questions are generated from a data base of semantic nets by "parsing" syntactic rules retrieved from the lexicon. Author

76 Lexicon/Dictionary Problems

1055 Bahr, J.: **Aspects of a lexicon model.** (Aspekte eines Lexikmodells. Zur theoretischen Grundlegung der Lexikographie.) (In German). In: Z. germanist. Linguistik 2(1974) No. 2, p. 145–170, 25 refs.

1056 Lustig, G.: **Problems of development of special dictionaries in automatic indexing and retrieval.** (In

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German). In: Nachr. Dok. 25(1974) No. 2, p. 50–54, 6 refs.

1057 Petöfi, J. S.: **Some aspects of a multi-purpose thesaurus.** In: Intern. Classificat. 1(1974) No. 2, p. 69–76

1058 Sedelow, S. Y.: **Automated language analysis, 1972–1973.** Lawrence, Kansas: Univ. of Kansas, Depts. of Computer Science and Linguistics 1974 (?).
Report covers the following topics: the editing of Roget's International Thesaurus, the mathematical modelling of thesauri, and a user's guide to the VIA content analysis programs as implemented at the University of Kansas. Articles in the report are concerned with the practical and theoretical issues raised by the effort to edit the thesaurus. Author

1059 Harris, H.: **The conversion of Roget's International Thesaurus to an automated data base.** In: Sedelow, S. Y. (Ed.): Automated language analysis, 1972–1973. Lawrence, Kansas: Univ. of Kansas, Dept. of Computer Science and Linguistics 1974 (?)

1060 Serebrjanyj, A. I.: **The relation of vocabulary growth curve to word frequency distribution.** (In Russian). In: Nauč.-techn. Inform. Ser. 2(1974) No. 4, p. 18–22, 12 refs.

1061 Sherman, D.: **A new computer format for Webster's Seventh Collegiate Dictionary.** In: Computers and Humanities 8(1974) No. 1, p. 21–26, 8 refs.
Based on the principles of the MARC format, a new structure is used, called WEBMARC. Detailed description.

77 General Problems of Terminology

see also 785, 862, 1100, 1102, 1107, 1113

1062 Brinkmann, K.-H.: **On the development and operation of terminology data banks as a requirement for machine-aided translation.** (In German). In: Nachr. Dok. 25(1974) No. 3, p. 99–104

1063 Wüster, E.: **General terminology – a border-field between linguistics, logic, ontology, information science and the subject sciences.** (Die allgemeine Terminologielehre – ein Grenzgebiet zwischen Sprachwissenschaft, Logik, Ontologie, Informatik und den Sachwissenschaften.) (In German). In: Linguistics (1974) No. 119, p. 61–106, 14 refs.

78 Special Terminology Problems

see also 1028, 1098

1064 Dahlberg, I.: **Subject-fields and their names.** (Wissensgebiete und ihre Benennungen) (In German). In: Muttersprache 84(1974) No. 6, p. 420–426, 9 refs.

1065 Frank, H.: **Planned languages documentation.** (Plansprachliche Dokumentation.) (In German). In: Nachr. Dok. 26(1975) No. 1, p. 17–21, 7 refs.
The different roles of language – Concept and classification of planned languages – Paradigm of an a-posteriori-planned language – Dimensions of language evaluation – Actual and ensuing developments.

79 Problems of Translation (incl. Multilingual CS)

see also 850, 851

1066 Majtla, K. P.: **Some problems of bilingual thesaurus construction.** (In Russian). In: Naučn.-techn. Inform. Ser. 2(1974) No. 7, p. 21–22, 40. 4 refs.
Reviews possible principles of compiling bilingual thesauri and shows the special features of descriptor selection for a Russian-Estonian thesaurus.

1067 Rosenbaum, H.-D.: **Methodological guidelines for the development of multilingual thesauri for CMEA member countries.** (In German). In: Informatik, DDR 21(1974) No. 2, p. 17–21

1068 Zingel, H.-J.: **The computer speaks four languages.** (Computer spricht vier Sprachen.) (In German). In: VDI-Nachr. (1974) No. 16, p. 2
Short report on the TITUS system for textile documentation with a mechanical translation of formalized sentences of the abstracts. So far the system works for the languages: German, English, French, and Spanish.

8 Applied Classing and Indexing

81 General Problems and Indexing Rules

see also 960, 966, 972, 1084, 1092

1069 Bernier, C. L.: **Index specifications.** In: Indexer 9(1974) No. 1, p. 9–12
Index specifications can include: existence of an index, kind, size, indexing density, error percentage, percentage of ommissions, breadth and adequacy of modifications, incorrect references, etc.

1070 Buchinger, I.: **Commentary on KWIC index in several languages.** Second thoughts about the dangers of classification schemes and their interpretation. In: Spec. Libr. 65(1974) No. 1, p. 32
Concerns the KWIC index to the IAEA publications.

1071 Gould, A. M.: **User preference in published indexes.** In: J. Amer. Soc. Inform. Sci. 25 (1974) No. 5, p. 279–286, 5 refs.
Respondents (of a questionnaire-investigation) compared particular index characteristics in a number of differing indexes and commented on specific details of the indexes to Science Abstracts. Results are displayed in 5 tables.

1072 Manecke, H. J.: **Better indexing results by applying indexing rules related to specific subject-fields.** (Verbesserung der Indexierungsergebnisse durch fachgebietsbezogene Indexierregeln.) (In German). In: Informatik, DDR 21(1974) No. 5, p. 22–26, 4 tab., 13 refs.

1073 Todeschini, C.: **INIS Manual for indexing.** 2 rev. Wien: Intern. Atomic Energy Agency 1974. 108 p., 12 figs. = IAEA-INIS-12 (Rev. 2)

82 Data Indexing

1074 Clinging, R., Lynch, M. F.: **Production of printed indexes of chemical reactions, II.** Analysis of reactions involving ring formation, cleavage and interconversion. In: J. Chem. Doc. 14(1974) No. 2, p. 69–71, 6 figs., 3 refs.

83 Indexing of and by Titles, Phrases

see also 935, 1068, 1083, 1084, 1087, 1088

1075 Morte, L. da Bôa: **The use of the rotated index in legislative information.** (In Portuguese). In: Rev. de Biblioteconomia de Brasilia 2(1974) No. 1, p. 85–89

84 Indexing of Texts

1076 Busa, R., S. J.: **Sancti Thomae Aquinatus operum omnium indices et** concordantiae in quibus verborum

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omnium et singulorum formae et lemmata cum suis frequentiis et contextibus variis modis referuntur quaeque. (In Latin, Italian, French, English, German) Stuttgart: Frommann-Holzboog 1974. 45 p.
First survey on the INDEX THOMISTICUS, a documentation of the vocabulary used in 179 latin works of the 9th to the 16th century: 1 700 000 lines of text with altogether 10 600 000 words. 100 of these Latin works are definitely from St. Thomas. The concordances will be displayed in 37 volumes. Text analysis (with the help of IBM machines) started in 1949 in Gallarate, Italy, was continued from 1967–69 in Pisa, after this for 15 months in Boulder, Colorado and from 1971 – today in Venice. Numerous scholars participated in the work for which – including programming – more than 1 million of working hours were needed.

1077 Sprowl, J. A.: **The incorporation of an index into a nonindexed computerized legal research system.** In: Jurimetr. J 14(1974) No. 4, p. 262–265

85 Book Indexing

1078 Bakewell, K. G. B. et al: **Symposium: The inadequacies of book indexes.** In: Indexer 9(1974) No. 1, p. 1–9
Comments to the topic from the following eight members of the Society of Indexers: K. Binns, V. M. Carruthers, B. Harling, J. E. Holmstrom, H. B. King, O. Stallybrass, J. L. Thornton on principles of book indexes and their function in retrieval; special criticism concerning the indexes of single books.

1079 Eyre, J. J.: **Computer-based indexing systems: implications for the book indexer.** In: Indexer 9(1974) No. 2, p. 53–57, 8 refs.
The methods of the BTI (British Technology Index) or PRECIS (PREserved Context Indexing System) should be applied in the construction of book indexes.

86 Indexing and Indexes of CS

1080 D'Haenens, L., Lorphèvre, D.: **Report on the editorial work concerning a "thesaurified" index to the UDC.** (In French). Bruxelles: Mundaneum (Chaussée de Louvain 696) 1974. 95 p.
For the classes UDC 330/330.13 (used as an example) a thesaurus-like index was created. The experiences made led to 7 conclusions, some of them having also implications for the future construction of schemes. The report has the following annexes: 1. Official French version of UDC 330/330.13; 2. Revision of the official text of 330 till 330.13; 3. Alphabetical index of annex 2 in the form of a thesaurus; 4. Hierarchical index of the contents of annex 3. (Work accomplished for FID/C3)

1081 Gehring, G.: **The new catch-word index for the international patent classification.** (Das neue Schlagwörterverzeichnis zur Internationalen Patentklassifikation.) (In German). In: Berichte der 16.Jahrestagung des Ausschusses für Patentdokumentation, 16.–17. Mai 1974. München: Deutsche Ges. f. Dok. APD 1974. p. 31–55
Progress report on the establishment of a keyword and catchword index to the IPC, done by a small team of computer and documentation experts together with about 300 examiners of the German Patent Office. The total work expected to be accomplished by 1975 will presumably cover more than 100 000 references in the index.

1082 **Combined indexes to the Library of Congress classification schedules.** Washington, D. C.: U. S. Historical Documents Institute 1974. 15 vols. $ 985,–
The computer-generated indexes to the 31 separate LC classification schedules integrate these with one another. The "Combined indexes" comprise five sets (each available separately): 1. Author/Number Index (2 vols.), 2. Biographical Subject Index (3 vols.), 3. Classified Index to Persons (3 vols.), 4. Geographical Name Index (1 Vol.) and 5. Subject Keyword Index (6 vols.).

87 Indexing of Secondary Literature

see also 935

1083 Austin, D.: **The development of PRECIS: A theoretical and technical history.** In: J. Doc. 30(1974) No. 1, p. 47–102, 36 ref.
Minute story, beginning with the NATO-CRG Research Project and Austin's own research into a general categorial system, with problems of relationships, operations and citation order and touching the BNB and the MARC project till to the OSTI/PRECIS Project and PRECIS at the British National Bibliography (BNB). (1971–1973). Research and development, changes and new developments in this methodology of PRECIS (= PREserved Context Indexing System) which formalizes in a syntactical-semantic way the elements of statements on document contents in order that they may be retrieved in the index of the BNB. Along this development also a thesaurus is being built up of all the terms occurring within the indexing phrases.

1084 Austin, D.: **An indexing manual for PRECIS.** In: Intern. Classificat. 1(1974) No. 2, p. 91–94
Purpose, syntax, semantics and users of PRECIS, the PREserved Context Index system of the British National Bibliography. Preview on the forthcoming manual.

1085 Frejdin, B. G., Drozdov, G. V., Sidorov, V. A.: **Indexation of secondary documents in the petrochemical industry.** (In Russian). In: Naučn.-techn. Inform. Ser. 1 (1974) No. 5, p. 8–10, 5 refs.

1086 Garfield, E.: **Weekly subject index to current contents.** In: Meth. Inform. Medicine 13(1974) No. 2, p. 106–109, 2 refs.
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1087 Singleton, A.: **Technical indexing at BTI.** In: Indexer 9(1974) No. 2, p. 37–49, 14 refs.
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1088 Coates, E. J.: **A comment on 'Technical indexing at BTI'.** In: Indexer 9(1974) No. 2, p. 50–52, 1 ref.

88 Indexing of Primary Literature and Documents

1089 Metzner, E.: **Annual indexes to periodicals – an important tool in retrospective research.** (In German). In: Informatik, DDR 21(1974) No. 1, p. 44–46, 2 refs.
24 key periodicals were analysed to determine the efficiency of the subject indexing. 70 % were adequate but the other 30 % were unsatisfactory as search tools.

1090 Greengrass, A.: **The New York Times Information Bank.** In: Information, Pt. 1, 6(1974) No. 1, p. 29–30
The Information Bank provides access to news articles and features from the New York Times and about 60 other journals. Each indexer specialises in particular subjects, working at cathode ray terminals which are also used for retrieval.

1091 Hartmann, J.: **On the subject control of archive records using descriptors.** (Zur Erschließung von Archivgut auf der Grundlage von Deskriptoren.) (In German). In: Archiv-Mitt., DDR 24(1974) No. 1, p. 10–14, 23 refs.

1092 Rasmussen, R.: **First experiences in indexing resolutions using the thesaurus for local government bodies of the GDR.** (Erste Erfahrungen beim Indizieren von Beschlüssen mit Hilfe des Thesaurus für die örtlichen Staatsorgane der DDR.) (In German). In: Archiv-Mitt., DDR 24(1974) No. 2, p. 72–74
The Thesaurus was standardized and its use explained to the indexers in special training seminars. The most frequent indexing errors are indicated.

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1093 Smith, D. M.: **Cartographic indexing.** In: Indexer 9(1974) No. 1, p. 18–20
Special rules for the indexing of geographic maps are given.

1094 **Statistics indexing and retrieval (STIR) project.** Towards an indexing system for U. K. statistics. In: Soc. Sci. Res. Council Newsletter (1974) No. 25, p. 29–31, 4 refs.
Summary of a report on the STIR Project, an index of statistical detail.

1095 Roma, E.: **Indexing of statistical tables for educational planning.** (In French). In: Stud. si cerc. doc. 16 (1974) No. 1, p. 13–24, 13 refs.
Discussion of the problems of indexing statistical tables for educational data from different countries. A method for a codified table description is suggested based on existing international classifications.

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

91 General Problems of Organisation of Classification

see also 967

1096 Barton, W.: **Zwischen Einheitsklassifikation und Individualismus.** Die Systematiken im Arbeitsverbund der Gesamthochschulbibliotheken Nordrhein-Westfalens. In: Matwill, G. (Hrsg.): Medien und Archive. Pullach b. München: Verl. Dokumentation 1974. p. 302–313
Principles and practices used in the development of a broad system for the shelving of the books in the libraries of the Gesamthochschulen of Nordrhein-Westfalia with special regard to their computerized management.

1097 Haendler, H.: **Ideas about the function of documentation languages in information networks.** (In German). In: Mitt. Ges. Bibl. wes. u. Dok. d. Landbaues (1975) Nr. 22, p. 21–39
Vocabularies for a selection oriented description of informemes ought to consist of descriptors which represent unchangeable and frequently occurring conceptual elements. For different integration conditions in information networks the following three types of documentation languages are described: a) a roof vocabulary, b) core and c) special vocabularies.

92 Persons and Institutions in Classification

see also 980, 1122

1098 **COCTA** In: Ass. Internat., Belgium 26(1974) No. 4, p. 210–212
Description of COCTA (Committee on Conceptual and Terminological Analysis) created by the International Political Science Association (IPSA) in order to overcome the terminological confusion in the social and political sciences.

1099 Dahlberg, I.: **Committee for Classification and Thesaurus Research (KTF). Report for 1973–1974.** (In German). In: Nachr. Dok. 26(1975) No. 1, p. 27–32
List of the members of this committee of the German Documentation Society existing since 1965, and reports about the topics and 11 papers discussed in the three meetings of 1973–1974. The cooperation of KTF-members in other relevant bodies is indicated and publications on the KTF and the KTF-papers are listed, mainly on the theory of relations (syntagmatic and paradigmatic ones).

1100 Goetschalckx, J. M. C.: **Westeuropean terminology offices.** (In German). Paper presented at Seminar „Die Bedeutung der Terminologie und Lexikographie für die Arbeit der Sprachendienste in Industrie, Wirtschaft und Verwaltung", Frankfurt, Okt. 1974. Frankfurt: Bundesverb. d. Dolmetscher u. Übersetzer 1974. 10 p.
Tasks and functions of the terminology offices of the European Communities.

1101 **The Classification Society.** In: Intern. Classificat. 1(1974) No. 1, p. 45, No. 2, p. 100
Short report on the British Classification Society, founded in 1964 and having a branch also in the USA (since 1968).

1102 Wüster, E.: **The road to Infoterm.** Pullach b. München: Verl. Dokumentation 1974. IX, 141 p. = Infoterm Series 1. Reviewed by R. Kocourek in: Intern. Classificat. 1(1974) No. 2, p. 104–107.

93 Organisation of Class. on the National Level

see also 1118

1103 Wittmann, A.: **State of the measures for the introduction of the International Patent Classification in 'Patentblatt', 'Schutzrechtsvorschriften', collections of examiners' materials a. o.** (In German). In: Berichte der 16. Jahrestagung des Ausschusses für Patentdokumentation, 16.–17.5.1974. München: Deutsche Ges. f. Dok., APD 1974. p. 25–30
The technical and organizational changes regarding the target date for the switch over (Jan. 1st, 1975) from the German Patent Classification to the International Patent Classification are set out. Also measures are described to facilitate the acceptance of the IPC in interested circles of the public. Furthermore a general outline is given concerning the measures envisaged in the course of the further improvement of the German Patent Office's information media.

1104 Scibor. E.: **Indexing languages for the national automated system of scientific, technical and economic information in the light of some research studies.** (In Polish). In: Pr. stud. przycynki IINTE (1974) No. 2, 48 p.
Research studies concerning the use of IR languages in Poland were carried out. It is proposed to employ for the future system concurrently several languages – a descriptor language, the UDC, the IPC and other special classifications.

1105 Poletylo, M., Bielecka, L.: **Methods of, and approaches to, developing a system of thesauri for the network of scientific, technical and economic information. (In** Polish). In: Pr. stud. przyczynki IINTE (1974) No. 1, 62 p.
Proposal that the Polish national system of thesauri should consist of a general thesaurus as well as of specialised thesauri and thesauri for subsystems.

1106 Ungurian, O.: **Problem of choice regarding the indexing language for the national system.** (In Polish). In: Aktual. Probl. Inform. Dok. 19(1974) No. 1, p. 14–21, 27 refs.
For a number of reasons outlined it is concluded that the construction of a national system of thesauri is not justified.

94 Organisation of Class. on the International Level

see also 970, 990

1107 Felber, H.: **An outline of international terminological activities.** In: Intern. Classificat. 1(1974) No. 2, p. 89–91
Concise survey on the areas of work in terminology, existing in (1) establishing terminological and lexicographical principles (work done within the ISO/TC 37), (2) in preparation of terminologies in particular subject fields and (3) in documenting ongoing terminological work and results of such work. Regarding the latter the tasks of Infoterm are listed and the specific forms of terminological data documentation are shortly explained.

1108 Rybatchenkov, V.: **Development of a Broad System of Ordering for UNISIST purposes.** In: Intern. Classificat. 1(1974) No. 1, p. 20–21

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Outline of the functions of a Broad System of Ordering (BSO) as a switching mechanism in the UNISIST Program of Unesco.

95 Education and Training in Classification and Indexing

1109 Erben, J., Herbig, E.: **Seminars for the introduction into the International Patent Classfication.** (In German). In: Berichte der 16. Jahrestagung des Ausschusses für Patentdokumentation, 16.–17.5.1974. München: Deutsche Ges. f. Dok., APD 1974. p. 147–154
Report on the organizational structure and contents of the seminars and the first experiences of 48 seminars with over 500 participants.

1110 Langridge, D. W.: **Experiences of research and development in teaching of classification and indexing.** In: Proc. Intern. Seminar on Education in Information Science Veszprém, Hungary, 14–16 Sept. 1972. Budapest OMKDK-Technoinform 1974. p. 89–94
Developments in teaching of classification and indexing (subject analysis of documents, translation of subject analysis into the controlled vocabulary of an index language, index construction, searching). Development of a new course: case study – study of knowledge ("The universe of knowledge") (philosophy, sociology and history of knowledge).

1111 Soben, P., Tidball, C. S.: ***MEDLEARN***.: **an orientation to MEDLINE.** In: Bull. Med. Libr. Assoc. 62(1974) No. 2, p. 92–94
For the education of members of the biomedical community to become competent on-line searchers ***MEDLEARN*** was developed. Report on the interactive terminal presentation available as well as on the hardcopy manual.

1112 Sukiasjan, E. R.: **Problems of teaching the Library-Bibliographic Classification in Soviet higher educational establishments.** (In Russian). In: Sov. Bibliotekovedenie (1974) No. 2, p. 35–46

1113 Wüster, E.: **Education in terminology and terminological lexicography.** (In German).
Paper presented at Seminar „Die Bedeutung der Terminologie und Lexikographie für die Arbeit der Sprachdienste in Industrie, Wirtschaft und Verwaltung", Frankfurt, Okt. 1974. Frankfurt: Bundesverb. d. Dolmetscher u. Übersetzer 1974. 26 p., 37 refs.

97 Economic Aspects in Classification and Indexing

see also 756, 1118

1114 Simpson, I. S.: **The economics of single-entry and multiple-entry classified files.** In: Inform. Scientist 8 (1974) No. 1, p. 23–33, 5 figs., 7 refs.

98 User Studies

see also 756, 757, 1027

1115 Bhattacharyya, K.: **Some indexing/searching characteristics of special libraries in science and technology in the UK.** In: Aslib Proc. 26(1974) No. 3, p. 109–129, 18 tabl., 1 ref.
Results of a survey by questionnaire concerning the use of classification systems, thesauri, kind of indexing, depth of indexing, etc.

1116 Brown, R. N., Agrawala, A. K.: **On the behavior of users of the MEDLINE system.** In: Fenichel, C.(Ed.): Changing Patterns in Information Retrieval. Washington: ASIS 1974. p. 36–38, 8 refs.
The study shows that the user population is composed of about 50 % physicians, 20 % students plus scientists and other professionals. It was based on data from a 15-day period, containing over 4300 sessions of over 200 000 user/computer interactions. Most frequent response time: 2 to 2.5 seconds, number of commands per session: 10 to 15. Searching and printing in 2/3 of the commands.

1117 Dahbour, S.: **Indexing.** (In Arabian, English summary). In: Rissalat Al-Maktaba (Message of the library), Jordan 9 (1974) No. 3
Survey on the present indexing situation in the Arab world; absence of unified Arabic subject headings list; absence of list of periodicals published in the Arab world; Egyptian and Jordanian indexing activities.

1118 Hazen, M. H.: **The closing of the classified catalog at Boston University.** In: Libr. Resources Techn. Serv. 18 (1974) No. 3, p. 220–225, 2 refs.
The catalog has been replaced by an alphabetical subject catalog. It has become more economical to use MARC tapes through the cooperative cataloguing at the Ohio College Library Center and the New England Library Network (NELINET).

1119 Lohse, H.: **Shelving in German scientific libraries.** (Buchaufstellung in deutschen wissenschaftlichen Bibliotheken. (In German). Bonn: Bouvier 1974. 39 S. = Forsch. stelle f. Buchwiss. an der Univ. bibl. Bonn Kl. Schriften 11 (ISBN 3-416-01031-0)

1120 Scheerer, G., Hines, L. E.: **Classification systems used in medical libraries.** In: Bull. Med. Libr. Assoc. 62 (1974) No. 3, p. 273–280, 2 tabl., 19 refs.
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1121 Scheibe, G.: **Advice for users of MEDLARS.** (In German). In: Nachr. Dok. 25(1974) No. 1, p. 30–34, 3 refs.

99 Standardization in Classification

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see also 756, 971

1122 **Standardization in classification.** In: Intern. Classificat. 1(1974) No. 2, p. 98
Short survey on the new activities of the Committee on Classification of the German Standardization Association.

1123 Antopol'skij, A. B., Apokin, I. A., Zaruvinskaja, L. A.: **Standardization principles for information retrieval thesauri.** (In Russian). In: Naučn.-techn. Inform. Ser. 2 (1974) No. 3, p. 20–21, 36, 6 refs.

1124 David, A.: **Normalisation internationale de l'élaboration des thesaurus.** (In French). In: Documentaliste 11 (1974) No. 1, p. 40
Short report on the work that went into the international draft, ISO/DIS 2788. The contents list of the corresponding French standard is also printed (Z47–100) of Dec. 1973: Règles d'établissement des Thésaurus en langue française, see 872.)

1125 Kluth, R.: **Standard classification for subject control.** (Einheitsklassifikation im Rahmen der Sacherschließung.) (In German). In: Mitt. Ges. Bibl. wes. u. Dok. d. Landbaues (1974) (H. 21), p. 45–54

1126 Schwarz, G., Stein, G.: **Possibilities for the introduction of a standard classification in the research libraries of the GDR.** (In German). In: Zbl. Bibl. wes. 88 (1974) No. 1, p. 1–11, 14 refs.
It is proposed to use the Russian LBC for the scientific libraries and the UDC for the technical ones.

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