



CONSELHO NACIONAL
DE DESENVOLVIMENTO
CIENTÍFICO E TECNOLÓGICO

IBICT



INSTITUTO BRASILEIRO
DE INFORMAÇÃO
EM CIÊNCIA E TECNOLOGIA

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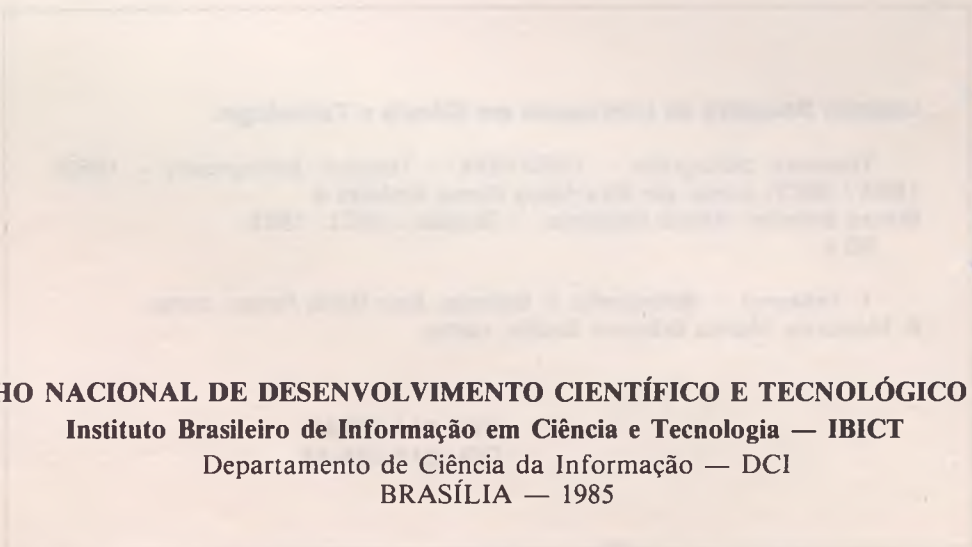
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THESAURI, BIBLIOGRAPHY 1983/1984

Compilada por **Elza Maria Ferraz Barboza**
Marisa Bräscher Basílio Medeiros



**BIBLIOTECA
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A P R E S E N T A Ç Ã O

O Instituto Brasileiro de Informação em Ciência e Tecnologia - IBICT lançou em 1983 "Tesouros bibliografia 1970/1982 - Thesauri, bibliography 1970/1982". A divulgação das linguagens documentárias existentes e de estudos sobre o assunto teve como objetivo levar novos conhecimentos aos especialistas da área, proporcionando o aperfeiçoamento das metodologias de tratamento da informação.

Consciente da importância da continuidade desse trabalho, o IBICT programou a atualização dessa bibliografia. Este volume contém 295 referências bibliográficas, cobrindo o período de 1983/1984.

FOREWORD

The Brazilian Institute for Information on Science and Technology (IBICT) published in 1983 "Tesauros, bibliografia 1970/1982 - Thesauri, bibliography 1970/1982". The dissemination of the documentary languages and studies about the theme was an effort to contribute to the information specialists in order to improve the methodology of information processing.

Awareness of seeing the continuation of this bibliography the IBICT planned the updating of this one.

This volume includes 295 bibliographic references, covering the period of 1983/1984.

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NOTAS EXPLICATIVAS

Para facilitar a consulta, a Bibliografia está estruturada de acordo com as seguintes categorias:

PARTE 1

- . Aspectos gerais: aspectos históricos e conceituais, filosofia, análise comparativa e definições.
- . Padronização: regras, normas e diretrizes para a construção de tesouros.
- . Construção e uso: concepção, técnicas de elaboração, metodologia, formas de apresentação, estudos terminológicos e linguísticos.
- . Automação: utilização de computadores nas etapas de construção e na recuperação da informação através de uso de tesouros e descrição de sistemas automáticos.

PARTE 2

- . Politemáticos: tesouros que cobrem várias áreas do conhecimento.
- . Especializados: tesouros que cobrem determinadas áreas do conhecimento.

PARTE 3

- . Descrição e análise: estudos e avaliações de tesouros existentes.
- . Bibliografias.
- . Clearinghouse.

PARTE 4

- . Índices: autor individual, autor corporativo, título, assunto.

Os tesouros especializados são classificados de acordo com a Lista de Macrodescriptores do Instituto Brasileiro de Informação em Ciência e Tecnologia - IBICT

- . Ciências de Apoio: Filosofia, Ciência da Ciência, Lógica, Matemática, Estatística, Ciência da Computação, Ciência da Informação, Arquivologia, Museologia, Comunicação, Sistemologia, Pesquisa Operacional, Administração, Pesquisa, Normalização, Marketing, Instrumentação, Metrologia, Patentes, Bioética.
- . Ciências Físicas: Física, Química e Cristalografia.
- . Ciências da Terra e do Espaço: Astronomia, Astrofísica, Pesquisa Espacial, Geodésia, Cartografia, Geofísica, Geologia, Paleontologia, Pedologia, Geografia, Hidrologia, Oceanografia, Meteorologia, Aeronomia e Climatologia.
- . Ciências Biolóticas: Biologia, Ecologia, Biologia Humana, Botânica e Zoologia.
- . Agricultura e Veterinária.
- . Meio Ambiente e Recursos Naturais.
- . Ciências Médicas: Medicina, Farmacologia, Ciências Paramédicas e Odontologia.
- . Ciências Sociais: História, Antropologia Cultural, Indigenismo, Sociologia, Demografia, Psicologia, Direito, Política, Administração Pública, Economia, Finanças, Trabalho, Indústria, Serviços, Educação, Previdência e Assistência Social, Habitação e Alimentação e Turismo.
- . Tecnologia: Engenharia, Mineração, Tecnologia da Energia, Bioengenharia, Biotecnologia, Tecnologia Industrial, Arquitetura, Urbanismo e Aeronáutica.

- . Desenvolvimento Socio-econômico política de governo, recursos para desenvolvimento, problemas socio-econômicos, assentamentos humanos.
- . Linguística: linguagem, fonética, gramática, semântica, psicolinguística, sociolinguística, línguas.
- . Artes: pintura, escultura, gravura, desenho, fotografia, cinema, teatro, dança, música, literatura, artesanato.
- . Religião: teologia, mitologia, religiões primitivas, religiões (judaísmo, cristianismo, espiritismo, budismo, hinduísmo, islamismo)
- . Quando um documento aborda mais de um aspecto, o enfoque maior determina a categoria na qual é classificado. Os outros aspectos são recuperados pelo índice de assunto.

A Bibliografia apresenta quatro índices: de autor individual, autor corporativo, título de tesouro e de assunto. O índice de título foi incluído porque alguns dos mais conhecidos tesouros, principalmente os de instituições internacionais, são identificados pelos seus títulos.

Os descritores do índice de assunto são baseados nos títulos e nos resumos dos documentos. Por se tratar de uma bibliografia de tesouros, a palavra "tesouro" não aparece como descritor, exceto quando composto como, por exemplo, tesouro multilíngue.

As entradas das referências bibliográficas dos tesouros politemáticos e especializados são dadas pelo compilador ou pela instituição responsável.

Quando um tesouro tem mais de uma edição é referenciada a última sendo as mais antigas incluídas em notas especiais. As traduções de um mesmo tesouro possuem referências específicas.

A referência de número 169 foi categorizada em Ciências da Terra e do Espaço. No entanto, sua classificação correta seria em Tecnologia, pois trata de navegação e indústria naval.

EXPLANATORY NOTES

In order to facilitate the research, the bibliography is arranged in the following categories:

PART 1

- . General aspects: conceptual and historical aspects, philosophy, comparative analysis and definitions.
- . Standardizations: rules, norms and guidelines for thesaurus construction.
- . Construction and use: conception, elaboration, techniques, methodology, forms of presentation, taxonomy and language studies.
- . Automation: computer use in the construction stages and in information retrieval through thesaurus and automatic systems descriptions.

PART 2

- . Polythematics: thesauri that cover several fields of knowledge.
- . Specialized: thesauri that cover only given fields of knowledge.

PART 3

- . Description and analysis: studies and evaluations of existing thesauri.
- . Bibliographies.
- . Clearinghouse.

PART 4

- . Indexes: personal author, corporate author, title and subject.

The specialized thesauri are classified according to Macrodescriptors List of Instituto Brasileiro de Informação em Ciência e Tecnologia-IBICT:

- . Supporting Sciences: Philosophy, Science of Science, Logic, Mathematics, Statistics, Computer Science, Information Science, Archivology, Museology, Communications, Systemology, Operational Research, Administration, Research, Standardization, Marketing, Instrumentation, Metrology, Patents and Bioethics.
- . Physical Sciences: Physics, Chemistry and Crystallography.
- . Space and Earth Sciences: Astronomy, Astrophysics, Space Research, Geodesy, Cartography, Geology, Paleontology, Pedology, Geography, Hydrology, Oceanography, Meteorology, Aeronomy and Climatology.
- . Biological Sciences: Biology, Ecology, Human Biology, Botany and Zoology.
- . Agriculture and Veterinary.
- . Environmental Science, Natural Resources.
- . Medical Sciences: Medicine, Pharmacology, Paramedical Science and Dentistry.

. Social Sciences: History, Cultural Antropology, Indianism, Sociology, Demogra-
phy, Psychology, Law, Political Science, Public Administration, Economy, Fi-
nances, Labor, Industry, Services, Education, Social Welfare, Housing Food and
Tourism.

. Technology: Engineering, Mining, Energy Technology, Bioengineering, Biotech-
nology, Industrial Technology, Architecture, Urbanism and Aeronautics.

. Socio-Economical Development:

. Linguistics: phonothics, grammar, semantics, psycholinguistics, sociolinguis-
tics, languages.

. Arts: painting, sculpture, engraving, drawing, photography, cinema, theatre,
dance, music, literature, handicraft.

. Religion: theology, mithology, judaism, christianism, spiritism, budism, hin-
duism, islamism.

When a document deals with more than one aspect, the main focus will be deter-
mined by the category in which it was classified. The other aspects will be re-
trieved by the subject index.

The Bibliography has four indexes: individual author, corporate author, the-
saurus titles and subject. The title index is included for some of the most
known thesaurus are identified by their titles, especially those from interna-
tional institutions.

The subject index descriptors are established based on the titles and ab-
stracts taken from the documents. Since this a thesaurus biliography, the word
"thesaurus" does not appear as a descriptor except when this descriptor appears
as a compound, i.e., multilingual thesauri.

Polythematics and specialized thesauri bibliographic references entries are
carried out by the compiler or by the authorized institution.

When the thesaurus has more than one edition, the latest one is taken for ref-
erence and the others are included as special notes. Translations of the some
thesaurus have specific references.

The bibliographic reference 169 was classified in Space and Earth Sciences. How-
ever, its correct classification would be under the heading of Technology for
dealing with shipping and shipping industry.

PARTE 1

Aspectos gerais

Padronização

Construção e uso

Automação

PART 1

General aspects

Standardization

Construction and use

Automation

ASPECTOS GERAIS
GENERAL ASPECTS

001

AGRICULTURAL Thesauri-Meeting. Quarterly Bulletin of IAALD, 27(3):65-96, 1983.

Papers presented at an Aslib Biological and Agricultural Sciences group meeting held on 5 jan. 1982, in London.

002

AITCHISON, J. Indexing languages : classification schemes and thesauri. In: ANTHONY, L. J. ed. Hand-book of special librarianship and information work. 5. ed. London, Aslib, 1982. p. 207-61.

003

BELJANIN, V. P. & JAPOL'SKIJ, L. T. Experimental identification of a psychological thesaurus of the text's genre. In: OBSCHENIE: Strukt i process. Moskva, s. ed., 1982. p. 90-100. Em russo.

004

BOVBENKO, M. A. & UMANSKI, A. N. A comparative analysis of information retrieval thesauri and normalised scientific and technical terminologies with the aim of their coordinated development. International Forum for Information and Documentation, 5:9-11, 1980.

005

CHAI, Kim. Retrieval language of social sciences and natural sciences: a statistical investigation. Journal of the American Society for Information Science, 33(1):3-7, jan. 1982.

Current guidelines for retrieval thesaurus design and maintenance recommend the use of relative frequency of occurrence of descriptors for the design and updating of a thesaurus. Examines the extent to which Zipf and Whatmough's theory of quantitative semantics provides the theoretical justification for the current practice. The

retrieval language of social sciences and science/technology was analysed to test if the observed data on relative frequency conforms to theoretical distribution of Zipf's law. Findings demonstrate that the principle of least effort serves to explain the pattern of use of the retrieval language in social sciences but not in science/technology. For social sciences, one may assume that the frequently occurring descriptors are indeed becoming semantically ambiguous thus requiring a greater variety of access points to the concepts that the more frequently occurring descriptors represent. No theoretical justification was found using the frequency data in the design and updating of the descriptors of science/technology. Thus, this finding challenges the theoretical basis for the present practice of using frequency data for the design and updating of the retrieval thesauri of science/technology.

006

CORNOG, M. A. A history of indexing technology. Indexing, 13(3):152-7, Apr. 1983.

This paper traces the history of indexing from protoindexing as early as the fifth century, to modern times. The first aids in the 1940s were punched cards. Next, classificatory terms were systematized, and indexing vocabularies were built up, eventually leading to the thesaurus, which is extensively used for indexing documents. The KWIC index is described; it was one of the first indexes to be produced by a computer. Online services give direct and immediate access to computerized information, and commercial examples are briefly outlined for biology and cancer.

007

CURRÁS, E. La nécessité d'une coopération hispano-française in terminologie chimique. Documentaliste, 18:7-9, jan./févr. 1981.

008

DAHLBERG, I. Conceptual compatibility

of ordering systems. International Classification, 10(1):5-8, 1983.

In an earlier article (of 1981) general guidelines for the establishment of compatibility were offered. The present article attempts to treat more deeply the section concerning the conceptual work in the recognition and establishment of compatibility between all kinds of ordering systems (as e.g. classification systems and thesauri). It takes into account also the new developments of the last two years toward thesaurus integration and integration computerization. The great advantages of the conceptual approach for a better understanding and correlation of ordering systems are outlined as well as implications for languages translation and recognition of new concepts as a professional challenge of any scientific community.

009

DeHART, F. E. Topic relevance and retrieval effectiveness. International Classification, 10(1):9-14, 1983.

A report of a case study which attempted to obtain further insight into topic relevance, as distinguished from relevance to a user's need. Utilizing one search topic and two groups of searches, the experiment aimed to determine whether statistically significant differences on the topic and present in three information sources. Each group had a different set of strategies and used specified combinations of search techniques and fields of the basic index. This report emphasizes the first group of searches which included the manual as well as the computer mode. Reasons behind retrieval performance are analyzed for the resultant eleven statistically differences. Approaches to the topic are examined with respect to descriptors available in the thesauri, descriptors assigned to the records, and descriptors used in the search strategies. Topic relevance may be a more serious problem in retrieval effectiveness than suspected.

010

DEMAILLY, A. La recherche et la communication scientifique à la lumière du modèle de la rationalité limitée de H. A. Simon. Bulletin des Bibliothèques de France, 26:407-18, juil. 1981.

NOTA: estudo de tesouro à luz da racionalidade limitada de H.A.Simon.

011

DIENES, M. Testing the compatibility matrix in the field of culture. In: CONFERENCE ON CONCEPTUAL AND TERMINOLOGICAL ANALYSIS IN THE SOCIAL SCIENCE. Frankfurt, Indeks, 1982. p.224-33.

Examen des concepts utilisés dans le domaine de la culture par le thésaurus de l'Unesco, UNT et le thésaurus soviétique MISON ainsi que par les systèmes de classification CDU et BSO (Broad System of Ordering).

012

DIETZE, J. Die optimale struktur eines informationsrecherchetesaurus (Optimal structure for an IR thesaurus). Ges.-u. spr. wiss. R., 30(5):85-102, 1981.

Discussion of the kinds of structure a thesaurus may have, their problems and their adequacy for particular application cases.

013

EPSTEIN, B. A. The terminology of psychiatry; DSM-III, Medical subject headings and the thesaurus of psychological index terms. Medical Reference Services Quarterly, 3(1):49-66, Spr. 1984.

The paper examines the terminology introduced in the Third Edition of the Diagnostic and Statistical Manual (DSM-III) of the American Psychiatric Association in relation to the thesaurus terms available in Medical Subject Headings (MeSH) and The Thesaurus of Psychological Index Terms.

014

FEINBERG, H. Thesaurus in indexing and searching : a review. In: INDEXING specialized formats and subjects.

s.l., Scarecrow, 1983. p. 260-81.

015

GALLO, M. A. Inventory of Spanish and/or Portuguese documentary languages. International Classification, 8(1):28-9, 1981.

Report on the elaboration of an inventory of thesauri and other indexing languages in the Spanish and/or Portuguese language organised by the Centro Argentino de Información Científica y Tecnológica (CAYCYT) especially as it regards (1) Methodology, (2) Work structure, (3) Results of the statistical analysis, (4) Conclusions to be drawn from the analysis of answers, and (5) Recommendations proposed in the form of 12 guidelines for further work and research.

016

GORDON, Dena. Controlled vocabularies in business databases: a fresh book. In: NATIONAL ONLINE MEETING, 1982. Proceedings. Medford, N. J., Learned Information, 1982. p. 133-43.

3 bibliographic business data bases: - ABI/INFORM, Management Contents, and PROMT were searched against 6 different topics using their respective controlled vocabularies. Recall and precision were calculated. 2 equations used to determine optimum thesaurus size were tested against each vocabulary. The Management Contents vocabulary was least adequate to express the concepts of the 6 sample searches, and was the only vocabulary which did not exceed the figures suggested by the thesaurus size equations. The PROMT vocabulary was weak in the general management area, and the addition of free text terms is suggested for searches in that subject area. The ABI/INFORM vocabulary was the most adequate: search strategies including only controlled terms should be satisfactory for most searches.

017

GRAY, D. E. Agricultural thesauri-meeting. Quarterly Bulletin of the Inter-

national Association of Agricultural Librarians and Documentalists, 27(3):65-6, 1982. (ISSN 0020-5966).

On présente brièvement le congrès, qui s'est tenu à Londres en janvier 1982.

018

HANN, J. E. P. A comparison of MeSH and textword searching on MEDLINE. London, City University, Centre for Information Science, 1981. 76 p.

Since 1975 it has been possible to search for natural language terms or textwords in the titles and abstracts of records on the US National Library of Medicine's MEDLINE data base. MeSH, the index language which is intended to be the principal tool for searching, is a highly structured thesaurus of terms. Sets out to compare the effectiveness of these 2 sets of search terms for document retrieval.

019

JUDGE, A. J. N. Anti-developmental biases in thesaurus design. In: CONFERENCE ON CONCEPTUAL AND TERMINOLOGICAL ANALYSIS IN THE SOCIAL SCIENCE. Frankfurt, Indeks, 1982. p.185-201.

Analyse de tous les éléments continents (théoriques ou pratiques) qui interviennent dans la conception des thesaurus qui sont autant d'entraves à leur développement.

020

KOBRIN, R. Yu. & PESKOVA, N. N. O sootnoshenie informatsionno-poiskovo go tezaurus i klassifikatora tekhniko-ekonomicheskoi informatsii (the correlation between an information retrieval thesaurus and a classification of technical and economic information). Nauchno-Tekhnicheskaya Informatsiya. Series 2, 7:1-5, 1982. (ISSN 0548-0027).

Examines the concepts of a thesaurus and classification in relation to information retrieval languages in the

context of technical thesauri and classification schemes. Classification is an efficient means of ordering documents containing a wide range of thematic classes in rigid hierarchies and can be used for example as the basis for developing a different type of information retrieval language or as the basis for data description languages. A thesaurus is a complex lexicographic whole, aimed at information retrieval. A set number of classification can be created on the basis of a thesaurus and they differ from the thesaurus in terms of function, system, and structure.

021

KOHL, E. Terminologische Kontrolle bei der RAK, den neuen deutschen "Regeln für den Schlagwortkatalog" und den Thesauri von Datenbanken bei deutschen Euronet Hosts (contrôle terminologique dans le cadre des (règles) RAK des nouvelles "Règles allemandes pour le catalogue matière" et des thésaurus des bases de données (accessibles) par les serveurs allemands d'EURONET). Zentralblatt für Bibliothekswesen, 29(6):463-80, 1982. (ISSN 0044-2380).

Les bibliothèques spécialisées qui contrôlent l'analyse thématique des documents à l'aide d'un thésaurus dans la mesure où elles appliquent les règles RAK pour leur catalogue alphabétique et les règles RSWK pour le catalogue matière, sont contraintes à une adaptation des règles de catalogage bibliothéconomiques aux principes, normalisés sur le plan national et international de structure de thésaurus. Une étude portant sur 30 thésaurus de bases de données rattachées aux serveurs allemands EURONET fait apparaître une grande diversité dans la structure des thésaurus. On présente de façon détaillée la systématique, reposant sur les normes DIN et ISO relative aux relations à établir entre les termes, d'une part dans les thésaurus, d'autre part dans les termes d'entrée dans les catalogues (RAK) et dans les vedettes matière (RSWK); ces relations sont de plu-

sieurs natures: relations d'équivalence, de hiérarchie, d'association; les règles propres à l'établissement de chaque type de relations sont développées, ainsi que les manières d'indiquer les renvois.

022

LERCH, Irmgard. Das Dokumentationshilfsmittel Thesaurus: Darstellung der Entwicklung an Hand ausgewählter Beispiele (the thesaurus as documentation tool: a presentation of its development using selected examples). Bibliothek: Forschung und Praxis, 6(1/2):47-73, 1982. (Em alemão)

The development of the concept of a "thesaurus" 1945-79 is discussed on the basis of literature on documentation and compared with the structure of selected technical thesauri from the same time period.

023

LITOUKHIN, J. I. UNESCO'S project for the establishment of an integrated thesaurus of the social sciences. In: CONFERENCE ON CONCEPTUAL AND ANALYSIS IN THE SOCIAL SCIENCES, Bielfeld, 1981. Frankfurt, Indeks, 1982. p. 202-6.

024

LONG, B. Linguistique et indexation. Documentaliste, 17:99-106 mai/juin, 1980.

025

MAYOL, Domènec Turuguet i. Thesaurus: la seva importància en l'emmagatzematge i recuperació de la informació (The Thesaurus: its importance in organising and retrieving information). Bulletí de l'Associació de Bibliotecaris de Catalunya, 1:34-42, jan./june, 1982. Em Catalão.

A detailed explanation of how a thesaurus works to facilitate information retrieval operations. A brief survey of indexing problems precedes an account of how the idea of using controlled vocabularies developed as an alternative to classification based indexing techniques. Procedures for treating relations between terms, homographs and

polysemantic words, and hierarchical relations, and for semantic analysis, are then described in detail with examples, and the practical advantages of the thesaurus as compared with conventional methods discussed.

026

MAZUR, Z. On a model of distributed information retrieval systems based on thesauri. Information Processing & Management, 20(4):499-505, 1984.

027

MEYRIAT, J. Evaluation of information languages in the social sciences. In: CONFERENCE ON CONCEPTUAL AND TERMINOLOGICAL ANALYSIS IN THE SOCIAL SCIENCES, Bielefeld, 1981. Frankfurt, Indeks, 1982. p. 338-341.

Aperçu du but et de la nature des langues documentaires en sciences sociales, de la façon dont les concepts nouveaux peuvent être intégrés et de l'importance des renvois et notes explicatives définissant l'acceptation des mots.

028

MILLER, Peter W. Structural characteristics of thesauri. London, City University, Centre for Information Science, 1982. 55 p.

Studies the fundamental, structural characteristics of 6 thesauri. Consider: basic features such as descriptors, non-descriptors, subject categories; and the extent to which the underlying structure of thesauri can be revealed by analysis of hierarchical and associative networks.

029

NEDOBITY, Wolfgang. The relevance of terminologies for automatic abstracting. Journal of Information Science, 4(4):161-5, July, 1982.

The increased production and publication of professional and scientific literature makes it necessary that abstracts are produced in a quick, efficient and economical way. This can be

achieved by the mechanisation of abstracting. With the aid of computers, extracts can be produced of all kinds of texts which are available in machine-readable form. The main problem of this procedure is how to determine the key sentences of a text. Various methods have been developed for this purpose. Discusses on based on the fact that in order to convey relevant information, subject terminology is used. In many cases subject terminologies are now available in machine-readable form too and thus can be easily applied to the automatic production of abstracts.

030

NIKITINA, S. E. The thesaurus as a model for describing the language of the humanities. In: SEMIOTH. aspekty formalizacii intelektual. deyat-sti. Moskva, 1983. p. 222-6. Em russo.

031

OHLGREN, T. H. Image analysis and indexing in North America: a survey. Art Libraries Journal, 7:51-60, Summ. 1982.

032

PLATONOV, K. K. & MIRIMANOVA, M. S. Thesaurus concret en psychologie. Nauchno-Tekhnicheskaya Informatsiya Series 2, 3:14-8, 1983. Em russo. (ISSN 0548-0027)

On présente une classification des thesaurus sur diverses bases. Le thesaurus concret est considéré comme une méthode de psychologie e comme un dictionnaire explicitant les liens entre les notions. On examine de nouveaux dictionnaires de psychologie qui peuvent être traités comme des variantes de thesaurus concret. Tendances des travaux ultérieurs.

033

REGT, W. F. Multilingual information languages: solution for smaller language regions. (EUDISED thesaurus). In: EDICO 2 Exchange of educational information... Bratislava, Institute of Educational Information

/Slovak Pedagogical Library. 1978. p. 273-80.

034

REGT, W. F. Thesaurus versus classification in international exchange of educational information (comparison of UDC and The Eudised Thesaurus). In: EDICO 2 Exchange of educational information... Bratislava, Institute of Educational Information/Slovak Pedagogical Library, 1978. p. 199-208.

035

SAGER, J. C. Terminological thesaurus. A more appropriate designation or a deprecated synonym? Social Science Inform. Stud. (2):211-4, 1982.

036

SANLLORENTI, A. M. FID/CLA/LI: compatibility experience of indexing languages in the education field. International Classification, 11 (1):28-30, 1984.

037

SHEEL, Hans & WORSTENFELD, Wilfried. Indexieren in einem internationalen informationssystem. (Indexing in an international information system [INIS and the INIS thesaurus]). Informatik, 29(4):30-4, 1982. Em alemão.

038

TATISHVILI, R. A. Perfecting the content of education by methods of construction of specialised thesauri. Sb. Tr. Gruz. in-t. fiz. Kul'tury, 13, 1981 (1982):79-82. Em russo.

039

UNGVÁRY, Rudolf. Application of the thesaurus method to the communication of knowledge. International Classification, 10(2):63-8, 1983.

The concepts of a statement, a theme, a subject field can be presented by means of symbolised, directed graphs. Such semantic graphs can also be looked at as models of knowledge, and can be used in teaching or in texts as an outline of the ideas or complexes of thoughts. The role of the method is comparable to that of a table of contents. A semantic model represents the outlines of the sense of the contents, while a table of contents refers to the subject of the contents. Using the Thesaurus Method, the communication of knowledge on classification is performed by classification itself.

040

VAN DER NEUT, H. How to unite two in one: universal thesaurus and universal classification. Open, 2:73-6 Feb., 1983.

Argument in favor of endeavors to achieve a system of universal subject access, in which both facet classification and thesaurus are used together.

041

WELLISCH, H. H. Year's work in subject analysis: 1980. Library Resources & Technical Services, 25 (3):295-309, 1981. (ISSN 0024-2527).

Contributions à l'analyse documentaire présentées sous différentes cubriques: théorie et études générales, classifications, vedettes-matière et thesaurus, indexation, classification et indexation automatiques, élaboration de résumés.

042

WOJTASIEWICZ, O. A. & SOSINKA, B. On the concept of a social sciences macrothesaurus. Zagadnienia Informatyki Naukowej, (1):3-20, 1982. Em polones.

PADRONIZAÇÃO

043

AMERICAN NATIONAL STANDARDS INSTITUTE. Guidelines for thesaurus structure, construction and use. New York, 1980. 20 p. (ANSI Z 39.19-1980).

044

ANTOPOLSKII, A. B. et alii. O novom standarte na informatsionno-poiskovyj tezaurus (GOST 7.25-80). (A new standard for the information retrieval thesaurus (GOST 7.25-80). Nauchno-Tekhnicheskaya Informatsiya, Series 1, 8:25-29, 1982.

Up to the 1 jan 82 the structure, composition and the form of information was regulated by GOST 18383-73 (State Standard 18383-73) Information retrieval thesaurus. General position. Form of presentation. The new standard GOST 7.25-80 contains amendments, some additional rules, a set of instructions and their international analogies. In the Standard preparation, ISO 2788, Documentation Guidelines for establishment and development of monolingual thesauri for information retrieval. 1974' was also used.

045

AUSTIN, D. Guidelines for the establishment and development of multilingual thesauri. Paris, UNESCO, 1980. 85 p.

This is a revised text incorporating amendments agreed to at a meeting of an ad hoc editing committee.

046

DOCUMENTACION; directrices para el establecimiento y desarrollo de tesauros monolingües; norma colombiana 1476; 1ª Revisión. Bogotá, ICFES-FID/CLA, 1980. 71 p. (Folheto de difusión, 24)

La Norma Colombiana 1476 es el resultado de un proyecto iniciado con el proceso de homologación de la Norma Internacional ISO 2788 Documenta-

tion-Guidelines for the establishment and development of monolingual thesauri, posteriormente modificado a fondo, hasta el punto de lograr un norma más ajustada a las necesidades nacionales, aunque basada siempre en la antes mencionada norma internacional ISO. La Norma 1476 ofrece las pautas necesarias para uniformar la elaboración y desarrollo de tesauros, mediante elementos y regulaciones que garantizan la compatibilidad presente y futura entre tesauros de diversos campos. Tras definir claramente un thesaurus, la norma ofrece, entre otros, lineamientos sobre: las clases de tesauros; su estructura: la forma de representación de los conceptos; la presentación y disposición del thesaurus; las formas de ordenación. Incluye una detallada metodología para la elaboración de un thesaurus que comprende el método de compilación general y los lineamientos referentes a la compilación, verificación, evaluación y elección de descriptores; el procedimiento de registro y las pruebas de aplicación. Trata igualmente la actualización continua del thesaurus mediante la verificación periódica de su utilización, que permite tanto la eliminación de descriptores como la incorporación de nuevos términos, ya sea a través de un suplemento al thesaurus o mediante una nueva edición del mismo. Como complemento necesario, se incluyen, anexos a la norma, un cuadro con las reglas del uso del singular y el plural; diagramas de flujo para la construcción de tesauros, y varios modelos para el registro de descriptores, entre otros.

047

ELLMANN, D. Entwicklungstendenzen der Thesaurusgestaltung; zum neuen staatlichen standard der UdSSR GOST 7.25-80 (tendances de développement de l'organisation des thesaurus; sur le nouveau standard officiel de l'URSS GOST 7.25-80). Informatik, 30(3):16-27, 1983. Em alemão. (ISSN 0019-9915).

Le nouveau standard GOST 7.25-80/ Thesaurus monolingue pour la recherche documentaire. Règles d'élaboration,

structure éléments constitutifs et la forme de représentation a été précédée par l'édition de la norme ISO 2788, et par la publication par l'UNESCO de directives UNISIST pour l'élaboration de thésaurus. On décrit ici de façon détaillée les aspects essentiels du nouveau standard: 1) la définition du thésaurus, 2) la procédure d'élaboration du thésaurus, les particularités de sa configuration, la représentation des relations entre descripteurs (relations hiérarchiques, associatives), le système de renvois, etc. 3) la structure, les éléments (répertoire sémantique, répertoire systématique, répertoire des relations hiérarchiques, index permuté), la forme de présentation du thésaurus (possibilité du choix de supports lisibles en machine).

048

INSTITUTO BRASILEIRO DE INFORMAÇÃO EM CIÊNCIA E TECNOLOGIA. Diretrizes para elaboração de tesouros monolíngues; projeto coordenado por Hagar Espanha Gomes. Brasília, 1984. 70 p.

049

KRUMHOLZ, W. Monolingual and multilingual thesauri - ISO/TC 46/SC5. CONFERENCE ON CONCEPTUAL AND TERMINOLOGICAL ANALYSIS IN THE SOCIAL SCIENCES, Bielefeld, 1981. Frankfurt, Indeks, 1982.

Présentation sommaire de ce comité ISO et de ses travaux.

CONSTRUCÃO E USO
CONSTRUCTION AND USE

050

ALOMAN, I. et alii. Utilizarea Tezaurului "SPINES" ca limbaj de indexare în sistemul automat de informare și documentare pentru domeniul politicii științei (Utilisation du thesaurus "SPINES comme langage d'indexation dans le système d'information et de documentation automatisé en science politique). Probleme de Informare și Documentare, 17(1):37-47, 1983. Em romeno. (ISSN 0032-924x).

Résultats d'une expérience d'utilisation de SPINES pour l'indexation des documents d'une base de données roumaines dans le domaine de la politique scientifique. Les documents ont été indexés en roumain puis les équivalents des descripteurs choisis ont été cherchés dans le thesaurus SPINES.

051

ANDRES, M. Zur verwendung schwach normierter fachbegriffe bei der wortschatzpflege und recherchetatigkeit im AGROSELEKT. Informatik, 30(1):24-5, 1983.

Le bordereau de saisie du système documentaire (pour l'agriculture, la sylviculture et les industries alimentaires) comporte une zone dans laquelle sont portés des termes d'indexation en langage naturel, utilisables pour la recherche, et qui sont appelés à entrer par la suite dans le thesaurus. A l'aide d'exemple on démontre la nécessité d'établir des règles pour l'usage de ces termes d'indexation, tant pour la cohérence du thesaurus que pour l'efficacité de la recherche; on propose l'établissement de relations d'équivalence entre les termes.

052

BAUMGARTNER, Robert. Problems and opportunities in thesaurus development for numeric databases. In: ASIS ANNUAL MEETING, 45, Columbus,

Ohio, 1982. Proceedings. New York, Knowledge Industry Publications, 1982. p. 26-8.

In numeric data base searching the optimum result is the one record which contains desired information. The selection process described uses a set of 4 hierarchical thesauri and a literature-based retrieval system. In developing a data base of foreign time series for business applications, certain problems were encountered and resolved. An unexpected result was creation of a multilingual thesaurus with has, application in data base searching and publication production.

053

BAZANOVA, T. D. et alii. The development of the indexing language vocabulary of the VNIGRI computer-based IR system for oil and gas field. Leningrad, Neft.N.-i. Geologorazved Institut, 1983. 527 p. Em russo.

This thesaurus comprises 8133 terms of which 34.5% are in the subject section and 65.5% are production-temporal characteristics of oil-geology research objects.

054

BHATTACHARYYA, G. Classaurus: its fundamentals, design, and use: In: INTERNATIONAL STUDY CONFERENCE ON CLASSIFICATION RESEARCH, 4, Augsburg, 1982. Annual conference. Frankfurt, Indeks, 1982. p. 139-48.

Règles de création d'un langage d'indexation par sujets, son utilisation pour une indexation permutée appelée POPSI (Postulate-based Permuted Subject Indexing), dont l'outil de contrôle du vocabulaire est nommé classaurus, organisation systémantique à facettes d'une classification hiérarchique comportant les caractéristiques essentielles d'un thesaurus conventionnel.

055

BIAGETTI, M. T. Note sui tesauri documentari e linguistici (Notes on documentary and linguistic thesauri).

Accademie e Biblioteche d'Italia.
51(1):17-31, gen./feb. 1983. Em Ita-
liano.

056

BONNER, R. A. B. Community information classification research project: user orientated empirical methods of classification construction. In: INTERNATIONAL STUDY CONFERENCE ON CLASSIFICATION RESEARCH, 4, Augsburg, 1982. Annual conference. Frankfurt, Indeks, 1982. p. 227-34.

Etude des besoins des utilisateurs en tant qu'étape préliminaire à la construction d'une classification, l'objectif étant une classification et un thesaurus pour l'information destinée à la communauté de la Grande-Bretagne et de l'Irlande. On décrit les méthodes utilisées.

057

CHAN, N. A thesaurus for terminology as opposed to one for documentation. In: CONFERENCE ON CONCEPTUAL AND TERMINOLOGICAL ANALYSIS IN THE SOCIAL SCIENCES, Bielefeld, 1981. Frankfurt, Indeks, 1982. p. 182-4.

Spécificité d'un thesaurus élaboré dans un but d'élucidation terminologique par rapport à un thesaurus destiné à la recherche documentaire. Caractéristiques générales du thesaurus terminologique TERMI et modalités de construction.

058

CIGANIK, M. Fuzzy faceted thesaurus construction. In: INTERNATIONAL STUDY CONFERENCE ON CLASSIFICATION RESEARCH, 4, Augsburg, 1982. Annual Conference. Frankfurt, Indeks, 1982. p. 166-72.

Création d'un thesaurus pour des données textuelles stockées dans un fichier externe dans leurs structures naturelles. Développement du système FAKTIS pour face à face au problème. Représentations sémantique significatives, utilisation d'une grammaire heuristique.

059

CRAFTS-LIGHTY, A. et alii. The use of ADLIB and the ROOT thesaurus to manage a special library. In: ONLINE IN-

FORMATION MEETING, 7, London, 1983. Online Review. Oxford, Learned Information, 1983.

060

DELEPORTE GARNIER, Chantal. Elaboration d'un thesaurus sur les collectivités locales en vue de la création d'une base de données. Paris, Conservatoire National des Arts et Métiers, 1982. 148 f. (Mém. I.N.T.D.).

Historique des problèmes, tant institutionnels que linguistiques et documentaires rencontrés lors de l'élaboration, par le CERVL (Centre d'Etudes et de Recherche sur la Vie Locale) d'un thesaurus sur les collectivités locales.

061

DROZDZ, K. Characterisation of the agricultural thesaurus being developed as part of the food economy information system in Poland. Bjul. NTI/MS AGRO-INFORM, 19(2):76-9, 1982. Em russo.

062

DU BOISBAUDRY, Claire. Elaboration d'un mini thesaurus en gestion. Paris, Conservatoire National des Arts et Métiers, 1983. 96 f.

Présentation du travail. Définitions. Les différentes étapes de l'élaboration du thesaurus. A partir du thesaurus, exemples d'indexation d'articles spécialisés en gestion de production.

063

DUBOIS, C. P. R. Use of thesauri in online retrieval. Journal of Information Science, 8:63-6, mar. 1984.

064

EGOROV, V. B. Variante d'un langage documentaire à descripteurs en géodésie et cartographie. Nauchno-Tekhnicheskaya Informatsiya, 9:20-3, 1982. Em russo.

Elaboration d'un thesaurus de notions fondamentales, qui sera utilisé en même temps que le thesaurus sectoriel pour la formulation des questions.

065

EUROPEAN SPACE AGENCY. Pre-processing of scientific and technical documents for input to the NASA information system during 1983-1985. Paris, 1982. 134 p.

Recueil de renseignements techniques concernant le système d'information de la NASA, Ces renseignements sont destinés à servir de base de travail, dans le cadre de l'appel d'offre lancé pour le prétraitement des documents européens qui seront intégrés au fichier de la NASA.

066

FOURNIER, M. L'adaptation en français des Library of Congress Subject Headings par la bibliothèque de l'université Laval. FÉDÉRATION INTERNATIONALE DES ASSOCIATIONS DE BIBLIOTHÉCAIRES ET DE BIBLIOTHÈQUES, CONFÉRENCE GÉNÉRALE, 48, Montreal, 1982. Montréal, ASTED, 1982.

On présente la méthodologie générale de l'adaptation, on décrit la construction de la vedette et l'établissement des relations. Les avantages et inconvénients de cette adaptation sont présentés.

067

GARCIA SEVILLA, L. et alii. El tesoro como base de un sistema de documentación: su aplicación en psicología. Rev. Esp. Doc. Cient. 6(2): 129-35, 1983. (ISSN 0210-0614).

Exposé de la classification des articles de son fonds documentaire, selon le Thesaurus of Psychological Index Terms, par le département de psychologie de l'Université de Barcelone.

068

GROSHENY, Eliane. Elaboration du thésaurus du fonds photographique aérien d'interphotothèque. Paris, Conservatoire National des Arts et Métiers, 1983. 121 f.

Ce travail s'inscrit au sein d'un processus de réaménagement du mode de

consultation de la collection photographique. Les difficultés liées à l'établissement d'un système linguistique d'accès à l'image sont abordées d'un point de vue pratique. Le thésaurus est présenté après l'étude de son élaboration.

069

HARUYAMA, A. & ERIGUCHI, K. Construction of an environmental microthesaurus from the JICST thesaurus of engineering and scientific terms. Kyu Syukai Happyo Rombensyu, 18:273-83, 1981. Em japonais.

070

HIROKI, M. The development and use of a thesaurus on newspaper articles. Zyoho Kagaku gizyutsu Kenkyu Syukai Yokosyu, 19:50-53, 1982. Em japonais.

071

KAMENSKAYA, O. L. & KAMENSKIJ, A. G. Quelques problèmes de construction d'un thesaurus de recherche de l'information. Nauchno-Tekhnicheskaya Informatsiya, 9:24-9, 1982. Em russe (ISSN 0548-0027).

On tente de formaliser la création et le fonctionnement d'un système de de recherche de l'information destiné à un domaine précis. On examine la construction du thesaurus, la méthode d'indexation automatique des documents, l'indexation des demandes et la formulation des questions. L'objectif est la formalisation des processus en vue de pouvoir les réaliser à l'aide de logiciels standards.

072

KENDERESKI, L. et alii. A thesaurus to supplement the International Patent classification in the field of biomedical engineering. World Patent Information, 5(2):101-9, 1983.

The International Patent Classification, in spite of its clear advantages, does not meet the requirements of research and development in biomedical engineering. Presents a descriptor

thesaurus system providing finer classification of patent information for research and development needs, developed at the Chirana Research Institute of Medical Engineering. Describes in detail the arrangement of the thesaurus, the data storage and retrieval using the computer facility of the Institute, and various outputs available from the storage and retrieval system for various purposes.

073

KOPALADZE, R. A. New method of coding. Nauchno-Tekhnicheskaya Informatsiya: Series 2, 2(4):15-6, 1982. Em russo.

The proposed method enables data from any written text to be coded. The method is based on a thesaurus on 1200 punched cards, and describing 14000 words. The word code is determined by the number and sequence of letters, and is not therefore limited in terms of vocabulary. An example card is illustrated and the use of the card pack described. The success rate in retrieving rarely used words without ambiguity is 96%.

074

KOSTYUKOVA, L. S. et alii. Compatibility problems of the terminology of an information retrieval thesaurus and of standards of terms and definitions. Nauchno-Tekhnicheskaya Informatsiya. Series 1, (3):26-9, 1984. Em russo.

075

KRISHAN KUMAR. Teoretical bases for universal classification systems. In: INTERNATIONAL STUDY CONFERENCE ON CLASSIFICATION RESEARCH, 4, Augsburg, 1982. Annual conference. Frankfurt, Indeks, 1982. p. 190-7.

On présente une notion de modèle multi-modal de thesaurus à facettes ainsi que les composants du système de recherche de l'information considéré et sa structure. Le modèle de thesaurus a été appliqué dans le domaine de la classification de bibliothèque.

076

KUZEMSKAYA, N. A. The IR thesaurus: design and maintenance methodology. In: METODY i procedury proektir. Skhem baz dannykh. Kiev, 1982. p. 39-46. Em russo.

077

LE RUZ, Hervé. Elaboration d'un thesaurus taxonomique. Paris, Conservatoire National des Arts et Métiers, 1982.

Description de la base de données DOCOCEAN et des possibilités de son logiciel MISTRAL, il est nécessaire de structurer les descripteurs de DOCOCEAN, on tente de le faire par le vocabulaire taxonomique. Réalisation d'un thesaurus: les particularités du sujet, les problèmes, les choix effectués.

078

MACK, R. Creation of the veterinary multilingual thesaurus of 1979. Quarterly Bulletin of International Association of Agricultural Librarians and Documentalists, 27(3):87-89, 1982. (ISSN 0020-5966).

The idea of veterinary multilingual thesaurus was initiated in 1973 at the Round Table for Veterinary Documentation and Information at the EEC. From 1974 to 1977 the project was developed by a subgroup of 7 experts from France, Germany, Italy and UK. The subject material was divided into 18 broad areas and descriptors in French, German, Italian and English constructed for each. Punched cards and magnetic tapes were prepared and then processed by the ASTUTE thesaurus program in Luxembourg. A provisional edition was prepared in 1977 and improved since. It is now in use at the Commonwealth Bureau of Animal Health where 20.000 documents are indexed each year for Index Veterinarius. The thesaurus is regularly updated by Datacentralen in Denmark.

079

MARQUES, Silvia Augusta & SIQUEIRA, Romildo. Thesaurus multidisciplinar:

estrutura básica. Cardernos de Biblioteconomia, (6):100-15, jun. 1983.

O estudo, em seus elementos básicos, foge aos tradicionais posicionamentos classificatórios da Biblioteconomia. Evolui dentro de uma sistemática de elaboração de uma linguagem documental que, embora fiel a ciência e a técnica, não é científica nem técnica mas se ajusta às exigências de sistemas multidisciplinares de informação, no caso particular, aqueles voltados para o planejamento socio-econômico. O modelo surgiu de uma concepção de thesaurus em que, "a priori", se estabeleceu a natureza das ocorrências para nomeá-las convenientemente, e, em seguida classificá-las por conjuntos semânticos - gerais - onde os conceitos se circunscrevem em função de opções utilitárias da documentação. A partir desta visão panorâmica de fatos e idéias, chegou-se a uma configuração espacial dos conceitos, utilizando-se esquemas - a modo de suporte geométrico - para exprimir o universo, onde se situam os conjuntos maiores desses conceitos a explorar pelo thesaurus. São apresentadas as estruturas global e operacional do thesaurus e regras básicas para delimitação das abrangências das categorias e filiação dos conceitos (descritores) às categorias. Trata-se de um modelo conceitual-prático - teórico - de natureza geral, para uma aplicação específica: os sistemas estaduais de informação para o planejamento do nordeste.

080

MOLHOLT, P. The art and architecture thesaurus project. The Hague, IFLA, 1983. 11 p.

081

OLIVEIRA, M. G. C. de & ANDRADE, M. G. S. de. Projeto metodologia para elaboração de um tesauro em computação. Brasília, SERPRO/PRODASEN, 1982. 25 f.

082

ORNA, Elizabeth. Build yourself a thesaurus: a step by step guide. Norwich, Running Angel, 1983. 32 p. (ISBN-946600-00-7).

Introductory guide to thesaurus construction aimed specifically at museum curators who wish to control the terms they use to describe the objects in their collections so as to gain full value out of the system they use for handling documentary information.

083

ORNAGER, S. & JOHNE, M. Changes in thesaurus construction caused by the use of Boolean searching: In: INTERNATIONAL ONLINE INFORMATION MEETING, London, 1983. Oxford, Learned Information, 1983. p. 167-73.

Asserts that the joint use of a limited scope controlled vocabulary and Boolean operators offers as powerful retrieval capabilities as searching assisted by a highly structured thesaurus. Problems caused by the use of logical combinations in on-line searching are discussed and the changes in the intermediary's role resulting from the application of the new search strategies are outlined. The need for further experiments with the joint use of hybrid vocabularies and Boolean operators is emphasised.

084

ORUMA, B. Developing the Nigerian agricultural thesaurus. Quarterly Bulletin of the International Association of Agricultural Librarians and Documentalists. 27(4):111-15, 1982. (ISSN 0020-5966).

La première tâche de l'Institut de recherche agricole de Zaria a été de construire un vocabulaire contrôlé qui constitue la première édition du thesaurus agricole nigérian. Les termes d'indexation ont été sélectionnés: 1) sur une liste de base 2) parmi un grand nombre de termes utilisés dans l'indexation libre 3) sur le conseil d'experts du sujet travaillant dans le domaine de l'agriculture à l'Université. La structure interne et les relations hiérarchiques ont été choisies après examen d'autres thesauri avec lesquels le Thésaurus agricole nigérian a été

relié et rendu compatible. Une liste des termes géographiques, en constant accroissement, a été conçue comme une annexe au thésaurus.

085

PASCHENKO, N. A. et alii. Basic design principles for multilingual data retrieval thesauri experience of the development and application of GOST 7.24-80. Nauchno-Tekhnicheskaya Informatsiya. Series 2, 2(5):17-9, 1982. Em russo.

The multilingual thesaurus, based on lexicons of two or more languages, reflects the semantic relationship between lexical units. The development of such thesauri, in specialist fields, can be undertaken where no, one or several monolingual thesauri already exist. The equivalence of lexical units in different languages may be complete, incomplete or absent. The Soviet standard GOST 7.24-80, published in January 1982, follows the lead of the UNISIST guidelines (PGI/80/WS/2, Unesco, Paris, 1980) in establishing procedures for the compilation of multilingual thesauri. Numerous examples are presented from a Russian-French-English thesaurus on information science.

086

POPOV, I. I. Nekotorye modeli otsenki i optimizatsii informatsionnykh sistem: otsenka kachesteva lingvisticheskogo obespecheniya (Some models for the evaluation and optimisation of information systems: evaluation of the quality of linguistic support). Nauchno-Tekhnicheskaya Informatsiya. Series 2, 6:7-14, 1981.

Deals with the problem of the optimisation of a thesaurus structure with regard to the size and construction of dictionary entries. Evaluates the degree of influence of the lexical compatibility of an automated IRS on retrieval quality. The ratio between factual and formal relevancy is used as the criterion in the analysis of the problem.

087

POPOWSKA, H. The problem of definition of the notion of thesaurus. Aktual. Probl. Inform. Dok., 26 (5/6):16-21, 1981.

088

POZHARISKII, I. F. O predelenie semanticheskoi sily informatsionno-poiskogo tezaurusa. (Determining the semantic strength of an information-retrieval thesaurus). Nauchno-Tekhnicheskaya Informatsiya. Series 2, 6:21-5, 1982.

Proposes a formula for the quantitative evaluation of the semantic strength (flexibility, economy, universality etc.) of a thesaurus. The thematic range, synonym coefficient and paradigmatic relations coefficient are divided by the lexical indicator to give the semantic strength coefficient. The formula enables the determination of the semantic strength of a wide range of thesauri which contain descriptors and non-descriptors and use a limited selection of paradigmatic relations. The chief use of the formula will be to evaluate new editions of thesauri.

089

POZHARISKII, I. F. Vzaimodeistvie sredstv lingvisticheskovo obespechenia integrirovanoi dokumentalnoi ASTI i eyo programmovo obespechenia (Interaction between linguistic and programming methods in an integrated automatic system of scientific and technological information). Nauchno-Tekhnicheskaya Informatsiya. Series 2, 11:1-8, 1982.

For practical reasons it is desirable to construct information retrieval thesauri mostly from 1 word terms. Years of research into building a computerised information system for the USSR Ministry of Geology have shown that this is possible to achieve by an interaction between the system's structural elements (information retrieval languages of a classification and descriptor type, grammar, output criteria, instruction and methodical ma-

terial) and programming means. The effect the program exercises on the linguistics occurs with the need to relate the limit for an expansion of retrieval rules to thesaurus construction.

090

PRZEPIORKOWSKA, G. & OBRĘBSKA, E.

Tezaurus przemysłu lekkiego: struktura i opracowanie (Thésaurus de l'industrie légère: structure et élaboration). Aktualne Problemy Informatyki i Dokumentacji, 28(3):17-22, 1983. Em polones. (ISSN 0002-3787)

Discusses the progress of work on the Polish thesaurus of light industry, covering the textile and clothing industries. The activities performed during the successive stages of the project are reported. Particular attention is paid to methods of collecting keywords as well as selecting descriptors. The thesaurus structure is also presented. The thesaurus contains the alphabetic-hierarchical part (descriptor and non-descriptor entries) and the systematic part (categories and facets).

091

RIGGS, F. W. The idea of a COCTA-Glossary; the pilot project on "Ethnicity". International classification, 10(1):19-23, 1983.

In order to overcome the difficulties of social science terminology and to create a tool for conceptual and terminological cooperation in this fields, a new methodology for the introduction and identification of social science concepts has been introduced, called the "ana-semantic" approach. A COCTA glossary is one that uses this approach. Its name is derived from the COCTA Committee (The Committee on Conceptual and Terminological Analysis in the Social Sciences) which recommends this approach. This article outlines in short its main features and explains how to establish such a COCTA-glossary using examples from the field of ethnicity.

092

ROLLAND MATHEWS, Isabelle. Elaboration d'un thésaurus sur la mode. Paris, Conservatoire National des Arts et Métiers, 1983. xvii, 103 p.

Elaboration d'un thésaurus en vue de l'indexation des images et des textes d'une riche collection de périodiques sur la mode à l'Union française des arts du costume. Ce thésaurus devait, à l'origine, permettre l'informatisation de la documentation associées aux collections du musée.

093

ROLLING, L. Langages documentaires. In: COURS INFORMATIQUE ET INFORMATION SCIENTIFIQUE ET TECHNIQUE, Cap d'Adge, 1981. Le Chernay, INRIA, 1982. p. 73-86, 1982.

Principes et caractéristiques de chaque type de langages documentaires sont définis (classification et thesaurus). On note qu'aujourd'hui tous les systèmes automatisés utilisent l'indexation par descripteurs. On décrit les principes d'un thésaurus, les structures qu'il peut présenter, les méthodes de son élaboration et de sa mise à jour. On examine l'organisation des termes du langage documentaire destinés à indexer les documents, les possibilités de précoordination des termes, ainsi que les types de relations entre les termes. Le traitement par ordinateur comprend d'une part les opérations de validation et de correction des termes utilisés dans l'indexation manuelle et, d'autre part l'adjonction automatique de termes hiérarchiquement apparentés. On examine les conditions d'une indexation qui assurent les meilleurs résultats pour la recherche; on note les principes et les résultats de l'indexation automatique. Enfin on expose les stratégies de recherche dans les systèmes à base de thésaurus (formulation de la question).

094

SCHNEIDER, H. Möglichkeiten und Grenzen der Anwendung des thesaurus Geschichtswissenschaft im staatli-

chen Archivwesen (Possibilités et limites de l'utilisation du thésaurus d'histoire dans l'archivistique d'état). Archivmitteilungen, 34 (4):114-8, 1984.

A partir d'une collection d'archives datant de l'époque féodale, on a testé l'application pratique du thésaurus histoire, à l'indexation de documents d'archives. Après une étude approfondie des aspects et des caractéristiques du thésaurus, il s'est avéré que celui-ci n'était pas adapté suffisamment à une indexation convenable des documents d'archives, indexation qui permet ultérieurement une recherche documentaire efficace dans la perspective d'un système automatisé. Toutefois le thésaurus d'histoire peut servir de base à la construction d'un thésaurus adapté à l'indexation des archives; les travaux à réaliser et les modifications à apporter au thésaurus sont évoqués.

095

SCHWIND, C. B. Semantic trees for natural language representation. Information Processing and Management, 19(4):223-35, 1983.

This paper presents a formalism for the representation of complex semantic relations among concepts of natural language. The author defines a semantic algebra as a set of atomic concepts together with an ordered set of semantic relations. Semantic trees are a graphical representation of a semantic algebra (comparable to Kantorovic trees for boolean or arithmetical expressions). A semantic tree is an ordered tree with nodes labeled with relation and concept names. Semantic trees are generated from natural language texts in such a way that they represent the semantic relations which hold among the concepts occurring within that text. This generation process is carried out by a transformational grammar which transforms directly natural language sentences into semantic trees. An example is presented for concepts and relations within the domain of computer

science where semantic trees have been generated from definition texts by means of a metalanguage for transformational grammars (a sort of metacompiler for transformational grammars). The semantic trees generated so far serve for thesaurus entries in an information retrieval system.

096

SHEKHTMAN, N. A. Ob odnom printsise rasshireniya i uglubleniya tezaurusa (On the principle of thesaurus extension). Nauchno-Tekhnicheskaya Informatsiya. Series 2, 7:10-12, 1981. Em russo.

On the basis of defined stereotypes of word combinations, a method is proposed for the expansion of existing dictionary thesaurus headings and for the introduction of new ones. The semantic structure of the thesaurus is analysed in its qualitative and quantitative heterogeneity. The appraisal of its completeness is dependent on the impact of new texts on the dictionary.

097

SHELOV, S. D. Une certaine approche à un thesaurus d'information. Nauchno-Tekhnicheskaya Informatsiya, Series 2, 7:6-10, 1982. Em russo.

On définit un thesaurus en tant que modèle formel d'un système logico-sémantique de terminologie. On présente les exigences envers ce thesaurus: netteté des relations entre le thesaurus et le système de définitions, quantité minimale de liens paradigmatiques dans le thesaurus, netteté des principales procédures linguistiques nécessaires à la construction du thesaurus. On présente des exemples de thesaurus en mathématiques et linguistique.

098

SHTERN, I. B. Developing a thesaurus from a definitional analysis of texts. Struktur. i Mat. Lingv., (9): 115-20, 1981.

099

SOERTEL, D. Compatibility of vocabularies. CONFERENCE ON CONCEPTUAL AND TERMINOLOGICAL ANALYSIS IN THE SOCIAL SCIENCES, Bielefeld, 1981. Frankfurt, Indeks, 1982. p. 209-23.

Exposé du problème de la compatibilité des langages documentaires et méthodes de conversion d'un langage à l'autre. Présentation d'un schéma permettant de comparer deux thésaurus ou deux lexiques d'indexation.

100

SUPERCHI, M. Proposal for the introduction of gemmological keywords in the Earth Sciences thesaurus. Rend. Soc. Ital. Miner. e Petrol. 37(2): 695-702, 1981.

101

TAVARES, Regina Helena. Problemas de elaboração de um thesaurus de cultura, Rio de Janeiro, 1981. Separata da Casa de Rui, Rio de Janeiro, p. 2, nov./dez. 1981.

102

TOLDI, D. Compilation of the thesaurus for the data processing in the field of economy, social progress and selfmanagement. Informatologia Yugoslavica, 13(1/4):1981. Em servocroata.

Discusses the concept and the importance of a thesaurus; types; guidelines for the introduction of the thesaurus and its importance in automatic data processing; process of compiling the thesaurus; the use of foreign sources; the construction of the thesaurus and final form and storage.

103

UMANSKIJ, A. N. et alii. Représentation des synonymiques dans le thesaurus de recherche de l'information en normalisation. Nauchno-Tekhnicheskaya Informatsiya, Series 2, 12:10-11, 1982. (ISSN 0548-0027).

On décrit les particularités du texte des normes, qui sont prises comme sources du lexique du thesaurus. On propose d'élargir ce lexique en introduisant des synonymes pris dans des documents normatifs d'autres catégories.

104

UNGVARI, R. The compliance of Hungarian thesauri with international standards. Tudományos es Muszaki Tajekoztatas, 30(8/9):305-50, 1983. Em hungaro.

105

VASILEVA, G. G. O tezauruze istorizmov, arkhazimov, knizhnykh i malou-potrebyaemykh terminov (A thesaurus of historicisms, archaisms, bookish and little-used terms). Nauchno-Tekhnicheskaya Informatsiya, Series 2, 5:17-9, 1982.

Outlines the pressing reasons for producing a thesaurus of Russian archaic and obscure terms and proposes a format for such a work. Historians, especially, often come across words no longer in use in modern Russian and would find such a work valuable in dealing with many problems of terminological compatibility in documents from different eras. Such a thesaurus would be of use in libraries and archives that have computerised information retrieval systems.

106

WELLISCH, H. H. Thesaurus-making: grow your own word stock. London, Deutsch, 1980. Cat. Class. Quart. 3(1):57-9, 1982. Book Review.

107

ZÉTARA DE RIBEZZO, E. Construcción de un tesoro sobre recursos hídricos. Buenos Aires, Instituto Nacional de Ciencia y Técnica Hídricas, 1983. 12 p. (INCYTH - normas e procedimientos, 4).

El tesoro que se está construyendo es el primero en lengua española que abarca todos los aspectos de los recursos hídricos. La finalidad específica del proyecto es construir y publicar un vocabulario controlado y estructurado que sirva para la indización y la recuperación del contenido temático de los documentos producidos en este campo. Al mismo tiempo, y como objetivo parcial, se brinda un aporte para una terminología hídrica en español. Como objetivo general, se pretende contribuir a la implementación de un sistema nacional de información documental hídrica.

AUTOMAÇÃO
AUTOMATION

108

BAUMGARTNER, R. Problems & opportunities in thesaurus development for numeric databases. In: AMERICAN SOCIETY FOR INFORMATION SCIENCE CONFERENCE, Columbus, Ohio, 1982. Proceedings. White Plains, N.Y., Knowledge Industry Publications, 1982. v. 19, p. 26-8.

109

BERTRAND-GASTALDY, S. Les thésaurus de recherche: des outils pour l'interrogation en vocabulaire libre. Argus, 13(2):51-8, 1983.

Le thésaurus de recherche, encore expérimental, construit automatiquement sur le contenu des signalements, des indexats ou des stratégies de recherche, est un instrument de contrôle, a posteriori, de la question, rédigée en langage libre, d'un utilisateur. Il contient les mots de la base et leur fréquence, regroupe leurs variantes morphologiques et allotaxiques, signale les équivalences orthographiques et peut comporter une table de synonymes. Ainsi, pour chaque question posée, des orientations de recherche seront proposées qui augmenteront son taux de rappel. Deux recherches sont actuellement menées à l'École de Bibliothéconomie de l'Université de Montréal.

110

BRUANDET, M. F. & CHIARAMELLA, M. F. Outils pour la documentation automatique. Bulletin du Centre des Hautes Études Internationales d'Information et Documentation, 10:7-11, 1983 (ISSN 0249-3381).

Présentation des travaux en cours au laboratoire IMAG en particulier la mise au point de méthodes d'indexation automatique et de construction d'un thésaurus à partir d'une analyse statistique des fréquences de co-occurrence des termes et de leur distance dans le texte.

111

BRUANDET, M. F. et alii. Méthodes empiriques de construction de thésaurus: expérimentation. Bulletin du Centre des Hautes Études Internationales d'Information et Documentation, 9:9-15, 1983 (ISSN 0249-3381).

Possibilités d'automatisation du travail d'indexation et de constitution du thésaurus à partir de documents en langage naturel. La partie concernant le thésaurus est seule développée ici. La méthode proposée est basée sur une statistique de concurrence des termes.

112

CHIZHAKOVSKIJ, V. A. & BELYAEVA, L. N. The thesaurus in automatic text processing systems. Kishinev, Shtiinca, 1983. 163 p. Em russo.

113

DEVADASON, F. J. Postulate-based permuted subject indexing language as a metalanguage for computer-aided generation of information retrieval thesaurus. International Forum on Information and Documentation, 8(1):22-9, jan., 1983.

Le développement de la théorie générale du langage d'indexation matière et du langage POPSI (Postulate-based permuted subject indexing) pour l'organisation, le stockage et la recherche des concepts contenus dans les documents a un parallèle saisissant dans la recherche sur les formes universelles et la structure profonde des études linguistiques. Le développement du langage POPSI en tant que métalangage pour l'organisation de l'information et que générateur d'un thésaurus de recherche est étudié. De même un système informatique pour générer un tel thésaurus à partir des vedettes matières appropriées en rapport avec POPSI et enrichies de divers codes reliant les termes aux vedettes matières est décrit. Il est également possible de créer une table de termes équivalents dans une autre langue pour les termes déjà utilisés pour générer le thésaurus: il est alors possible de traduire automatiquement le thésaurus.

drica. Colateralmente, se desea establecer una metodología para construir un tesoro con la participación activa de los productores y los usuarios de la información. El alcance del proyecto puede extenderse más allá de la Argentina, hacia todos los países de lengua española. Sus unidades de documentación en áreas hídricas podrán adoptar el tesoro para el procesamiento de los materiales. Se contribuirá, así, al desarrollo de una red regional de información sobre recursos hídricos.

114

DEVADASON, F. J. & BALASUBRAMANIAN, V. Computer generation of thesaurus from structured subject-propositions. Information Processing & Management, 17(1):1-11, 1981.

Several experiments were conducted at the Documentation Research and Training Centre for generating thesauri. The work reported uses subject headings structured according to postulates and principles for facet analysis, as the input for generating thesauri. The system uses a coding scheme for augmenting the subject headings to make them suitable for computer manipulation. Once the subject headings are coded and input, the other processes are done automatically. The system has 5 phases namely, Translation Phase, Term-pair Generation Phase, Coordinate Term-pair Generation Phase, Retranslation Phase and Printing Phase. The system is described briefly, giving the system flow-chart, inputs and outputs of the different phases and a sample printout of a model thesaurus generated using test data of about 1500 subject-propositions from leather technology.

115

DEVADASON, F. J. & KOTHANDA RAMANUJAM, M. Computer aided construction of "alphabetic" classaurus. In: INTERNATIONAL STUDY CONFERENCE IN CLASSIFICATION RESEARCH, 4. Augsburg, 1982. Annual conference. Frankfurt, Indeks, 1982. p. 173-82.

Principes des outils de contrôle des vocabulaires. Définition d'un classaurus dont les caractéristiques sont en

même temps celles d'une classification et celles d'un thesaurus. Modalités de construction qui impliquent la sélection des termes et l'établissement des relations. Automatisation de cette construction: préparation des données d'entrée, traitement, présentation.

116

DILLON, M. & GRAY, A. S. FASIT: a fully automatic syntactically based indexing system. Journal of the American Society for Information Science, 34(2):99-108, mar. 1983.

Provides background of automatic indexing and overview of Fully Automatic Syntactically based Indexing of Text (FASIT), a system based on idea that content-bearing words belong to certain syntactic categories. Results of comparison of FASIT with thesaurus and stem-based indexing systems on database of 250 documents and 22 queries are summarized.

117

GRIESE, H. Rechnergestützte Erarbeitung des Internationalen Informationsrecherche - thesaurus Land-und Forstwirtschaft (ITLF) (computer-supported elaboration of the international thesaurus for agriculture and forestry) In: NEUBERT, G. ed. Rechnerunterstützung bei der Bearbeitung fachlexikalischer Probleme. Leipzig, Verl. Enzyklopadie, 1981. p. 249-67.

118

HINES, T. C. & WINKEL, L. A new information access tool for children's media. Library Resources & Technical Services, 27(1):94-104, Jan./Mar. 1983.

A new cataloging and information access tool for children's media is proposed, which combines the most useful aspects of library subject-heading lists and thesauri with some unique aspects, and meets for the first time the American Library Association recommendations for the subject cataloging of juvenile mate-

rials. Computer-based production of such a tool offers considerable economies and opportunities. A project is now under way to produce such a listing.

119

JAUNEAU, Agnès. Gestion et interrogation d'une base de données communales sur micro-ordinateur. Grenoble, I.N.P., 1983. 244 p. (Th. 3e cycle: génie inform.)

Description du projet CATHI conçu pour créer, gérer et permettre l'interrogation d'une base de données de l'ensemble des documents liés à la vie des communes concernées de la région Lyon-Grenoble. On décrit le fonds documentaire, le thésaurus, les fichiers qui constituent la base, les principaux programmes du logiciel utilisé.

120

JOHNSTON, S. M. Effect of thesaurus indexing on retrieval from machine-readable databases. Quarterly Bulletin of the International Association of Agricultural Librarians and Documentalists, 27(3):90-6, 1982.

The searcher's approach to a machine-readable data base differs from that to its printed counterpart, because of the extra entry points available, many of them being based on free language. The advantages and disadvantages of free language and thesaurus indexing are compared, but these are overlaid by the way the vocabularies are applied in a data base. Data base producers using thesauri can aid the searcher by providing good documentation, using the structure of the thesaurus in indexing, distinguishing between major and minor indexing terms and adhering to a stated indexing policy. Advice is given on selecting search terms for searching search terms for searching data bases containing thesaurus terms, including ways of achieving high recall or precision.

121

KOHL, E. Der neue DV-geführte Bibliotheksthesaurus des Deutschen

Bundestages (The new computerized library thesaurus of the Deutsche Bundestag). Mitt. Arb. Gem. Parlaments-u. Behördenbibl., 52:3-24, 1982. Em alemão.

122

KOHL, E. Improving thesaurus control by automation. The PROTOS system of the Deutscher Bundestag and the POLIANTHES thesaurus. In: ESSEN SYMPOSIUM, 1982. Essen, A. Helal, J. N. Weiss, 1983. p. 143-58. (ISBN 3-922602-06-1).

123

KONDRAT'EVA, E. A. Modelling the computer-held thesaurus of the computer based STI system on the USSR State Archival Collection documents. In: PRIMENENIE metod sistem, analiza alya razvitiya ASNTI po dok GAF SSSR. Moskva, 1983. p. 73-81. Em russo.

124

KONSHIN, G. I. & MIKHAILOVA, A. A. The design philosophy and techniques of a data retrieval system thesaurus, with special reference to systems being developed on the basis of the Pegas and Fakt software packages. In: LINGV. obspech programm. sredstv ASU i IPS. Perm, 1982. p. 41-51.

125

LAMPERECHT, H. On the utilization frequency of descriptors in a document reference stock. Informatik, 2:25-7, 1983.

Suitable configuration of automated information retrieval systems and the reference to bibliographical particulars in the case of some processes necessitates the knowledge of the utilization frequency of the components of the search language used. This refers to both the processing activities, including the configuration of suitable storage structures, efficient search strategies and similar, and the questions arising from the configuration and structure of the ISL. These include the definition or determination

of the scope of lexical units of an ISL, the relations between different types of languages (thesaurus, systematics free words) as well as the possible addition of new lexical elements and the changes in the thesaurus caused by the latter.

126

MATSUO, M. A computer system for lexical analyses of a text for the humanities and social sciences. Joho Kanri (Journal of Information Processing and Management) 24(11):1019-28, Feb. 1982. Em japonês.

The Peace Research Center of Hiroshima University has been conducting studies based on literature in the social sciences. However, in the areas of peace studies and development studies data bases, thesauri, frequencies of words, and the relationship among words are still insufficient. Under this concept the processing system of vocabulary in text, LEX, was developed.

127

MIYAMOTO, S. et alii. Generation of pseudothesaurus for information retrieval based on cooccurrences and fuzzy set operations. IEEE Trans. Syst. Man. Cybern., 13(1):62-70, 1983 (ISSN 0018-9472).

On développe un modèle ensembliste d'un thesaurus abstrait lié à une méthode de génération automatique basée sur la cooccurrence de termes dans un ensemble de textes. On présente un algorithme de génération d'un pseudothesaurus à partir d'une grande quantité de données. On traite deux exemples.

128

NEUWIRTH, E. Dissimilarity and distance coefficients in automation-supported thesauri. Information Systems, 7(1):47-52, 1982. (ISSN 0306-4379).

An important problem when creating thesauri with computer support is how to generate and check relations between descriptors. The use of a fuzzy

dissimilarity relation in the thesaurus is proposed; furthermore, given a dissimilarity measure which does not fulfil the triangle inequality, an algorithm is given for converting this measure to a distance measure which does fulfil the triangle inequality.

129

PETERSEN, Toni. The AAT in the online catalog environment. Art Documentation, 1(6):183-5, Dec. 1982.

A paper delivered at the New England meeting of the Association of College and Research Libraries, held at Wheaton College, Mass., and at the annual meeting of the American Society of Information Science, Columbus, Ohio, Oct 82. Discusses the problems art librarians and visual resource people have with Library of Congress Subject Headings (LCSH) and the need for many more headings in order to allow for more depth in indexing. Concludes that if, in addition to providing a richer and enhanced vocabulary to that already present in LCSH, the ARLIS/Art and Architecture Thesaurus project can develop clear directions for the application of its vocabulary by indexers and searchers, perhaps some of the benefits we can recognise in a PRECIS-like system will occur. Individual concepts could then be combined to provide very narrow areas of specificity.

130

POLETYLO, M. Budowa i wykorzystanie tezaury dla potrzeb filmoteki telewizyjnej (doświadczenia i wnioski) (Création et utilisation d'un thesaurus pour les besoins d'une filmothèque de télévision expériences et conclusions) Aktualne Problemy Informacji i Dokumentacji, 28,(2):35-41, 1983. Em polonês (ISSN 0002-3787).

On présente brièvement le système automatisé de recherche de l'information de la Radio-Télévision polonaise. Etapes de la création du thesaurus, avec l'aide d'un ordinateur. Conclusions faisant suite à l'expérimentation.

131

ROBREDO, Jaime. Otimização dos processos de indexação dos documentos e de recuperação da informação mediante o uso de instrumentos de controle terminológico. Ciência da Informação, 11(1):3-18, 1982.

Report of a study intended to improve Portuguese language thesaurus construction. The theoretical basis of the methodology is explained in full. To determine the significant terms in Brazil in 2 different areas of knowledge, agriculture, and scientific and technological policy, the contents of some 10.000 documents were analysed, and the terms so derived indexed according to non-subjective principles, using automatic techniques in the case and simulated automatic techniques in the other. The frequency of use of terms was then plotted, using the Bradford-Zipf law. The lists of descriptors so established constitute controlled vocabularies as based for thesaurus construction.

132

SCHEELE, M. Automatic indexing of titles and keywords on the basis of a model for an overall thesaurus of knowledge. International Classification, 10(3):135-7, 1983.

The concept automatic indexing or automatic classification refers in this paper to the computerized classings of any kind of keywords or subject headings according to an existing classification system. The procedure described was developed for a biological documentation system and was tested and used successfully in the establishment of a large databank. On the basis of these experiences an overall thesaurus of knowledge was built up in the German language. A precondition for this work was the establishment of a universal faceted classification. The overall thesaurus contains the words of ordinary language as well as the most important terms and names of technical languages as they appear in titles in scientific publications.

133

SCHLANGER, L. Constructing thesauri by computer. Informacio-Elektronika, 16(5):254-8, 1981. Em hungaro.

An overview is given about the necessity and possibilities of computer aided thesaurus construction. Rules concerning the structure, chapters and output forms of unilingual thesauri are outlined, the well-proved practical method of thesaurus constructions is introduced. The author describes the TSPR system which facilitates the decentralized construction of thesauri systems meeting the requirements of the standards, the thesaurus methodology and other needs of the user.

134

STOLYAROV, G. K. & GRIGYANEC, R. B. Generalised thesaurus for conversational document/data retrieval systems. In: BANKI donnoykh. Sekc. 2. Kiev, 1983. p. 99-101. Em russo.

135

SZIGETHY, Marion. A computer produced thesaurus for the RFE clipping file. New York, s. ed. 1970. 20 p.

Describes development of a thesaurus for the Radio Free Europe Library.

136

TAUBE, H. TINAS-das Technische Informations Nachweis-und Auskunft-System (TINAS-the technical information record and inquiry system). Nachrichten fur Dokumentation, 32:121-6, Juli, 1981. Em alemao.

137

TIDBURY, G. E. The CAB thesaurus. Quarterly Bulletin of the International Association of Agricultural Librarians and Documentalists, 27(3): 67-73, 1982. (ISSN 0020-5966).

The Commonwealth Agricultural Bureaux (CAB) aim, by use of selection of papers, production of abstracts, precise indexing and a modern compute-

rised information storage and retrieval system, to make information on the world's agricultural literature available to anyone who wants to use it. Every year some 160.000 abstracts and 27 main abstract journals are issued and these are added to its data base, which since 1973 has been a single unit. Activities are centred around this single data base and a new thesaurus is at present being constructed to serve it. 1 of the major problems in merging all the inputs from CAB units was the unification of the subject indexing systems. In 1977 commonly used words and phrases were selected from the separate indexes used in the CAB units, and from this the alphabetic CAB wordlist was compiled. This wordlist was used as a basis for the construction of the FAO/CEC thesaurus, AGROVOC, as well as for the CAB thesaurus. AGROVOC descriptors are included in the CAB thesaurus to give a closer relationship between the 2. It is estimated that over 50,000 terms will be used in the CAB thesaurus. Similarities and differences between the 2 thesauri are described. It is hoped to use the CAB thesaurus for the January issues of the 1983 CAB journals.

138

TRAVIS, L. L. & FIDEL, R. Subject analysis. Annual Review of Information Science and Technology, 17:123-57, 1982. (ISSN 0066-4200)

Cette revue de la littérature (1977-1981) traitant de l'analyse thématique met en évidence l'impact du traitement automatique, l'importance des recherches menées sur le contrôle du vocabulaire et de développement de l'idée que les mots libres complètent utilement les mots contrôlés. Les problèmes théoriques de construction de thesaurus sont décrits ainsi que les méthodes d'engendrement automatique des relations hiérarchiques entre les termes. Enfin les recherches récentes sur la théorie et la pratique de l'indexation automatique sont analysées.

139

TUROCK, B. J. & SHELTON, H. Online catalog in the small public library;

enchanted subject access via micro-computer. In: NATIONAL ONLINE MEETING, New York, 1984. Proceedings. Medford, N.J., Learned Information, 1984. p. 405-11 (ISBN 0-938734-07-5).

At the Pittsylvania County Library in rural Virginia, an online public catalog which provides users with enhanced subject access was developed by determining the extent users' vocabularies match the search vocabulary of bibliographic records. Exception cases defined as times when users asked for help in finding information were recorded and analyzed. Such subjects were designated for enhanced subject access. Library of Congress Subject Headings (LCSH) were integrated with the users' search vocabularies and with selected search vocabularies of other sources like the Readers' Guide. The present form of the system stores a combined thesaurus and bibliographies on microcomputer.

140

ULICNY, O. et alii. K problematic automatizované tvorby a aktualizace tezauru. (La problématique de production automatisée et d'actualisation des thesauri). Ceskoslovenska Informatika, 6:161-67, 1982.

Des systèmes informatiques ont permis de résoudre ces problèmes, en particulier l'usage d'un analyseur sémantique intervenant dans la mise en place des relations hiérarchiques des descripteurs. Des programmes spécialisés ont également ordonné la production automatique des index alphabétiques et systématiques des thesaurus et la gestion des mises à jour du vocabulaire.

141

UNGVARY, R. Automation of thesauri: its effect on their structure. Terd. es musz. tájek., 30(10): 385-95, 1983. Em hungaro.

142

WALDRON, C. B. & COOKE, D. M. A personal on-line reference retrieval program for microcomputers. Journal

Un système online de recherches bibliographiques a été mis en place pour les chercheurs de l'hôpital St Thomas de Londres. Il a été conçu pour être compatible avec divers types de matériel et est relié à un programme de traitement de textes pour faciliter la saisie et permettre le reformatage des références si cela est nécessaire. Des références peuvent être ajoutées et la recherche peut être reprise par des utilisateurs sans compétence spéciale en recherche automatisée: Il est utilisé dans quatre départements distincts de l'hôpital et a été conçu pour être assez flexible pour approvisionner aussi bien les petits fichiers personnels d'une centaine de références que les gros de plusieurs milliers. La recherche se fait au moyen de deux lettres codes à partir d'un thesaurus d'environ mille code-clés pour l'ensemble des utilisateurs; des listes abrégées ont été prévues pour les utilisations plus restreintes et spécialisées.

143

WHITELOCK, P. J. A descriptor bank of social science terms. International classification, 9(3):145-51, 1982. (ISSN 0340-0050)

Propositions pour l'organisation et la création d'une banque de descripteurs de termes utilisés dans les thésaurus de sciences sociales. On décrit le contenu et la présentation des entrées de la banque de descripteurs, les formats d'enregistrement utilisés dans les thésaurus existants et le logiciel nécessaire pour la création de la banque de descripteurs et son utilisation comme outil, pour la réalisation d'un thésaurus intégré.

144

WOLFF-TERROINE, M. SABIR: a software package for the maintenance of a multilingual thesaurus. Bull. Inf. MIDIST, (2):8, 1983. Em français.

The SABIR software, developed at the CNRS Computer Centre in France, supports the development, maintenance and publication of a multilingual thesaurus designed for the CANCERNET database. The maximum number of descriptor entries is 10.000, each descriptor subordinated to up to 4 descriptors; the permitted number of hierarchical levels is 17; the term length is limited to 50 characters. SABIR is used to control relationships, any thesaurus updating operations in the online or batch mode; the latter is preferable as updating often necessitates a new sorting. The software permits the concurrent production and maintenance of an IR thesaurus in 9 languages; printouts are possible in three languages in three versions (according to the sort language). So far, an English-French version and a German-French one have been developed, which permit direct access to the CANCERNET database (via the TELESYSTEMES-QUESTEL system) for users in Britain, the US and the FRG. Work on a Spanish-French version is nearing completion.

145

YERKEY, A. N. A cluster analysis of retrieval patterns among bibliographic databases. Journal of the American Society for Information Science, 34(5):350-5, sept. 1983.

This study attempts to analyse descriptors taken from subject categories in ERIC thesaurus and used as search terms on CROSS database Bibliographic Retrieval Services. An expectation ratio was computed and a cluster analysis was conducted to discover subject relationships among databases.

PARTE 2

*Politemáticos
Especializados*

PART 2

*Polythematics
Specialized*

POLITEMÁTICOS

POLYTHEMATICS

146

BRITISH STANDARD INSTITUTION. BSI ROOT Thesaurus. (Hemel Hempsted), 1982. 2 v.

147

BRITISH STANDARD INSTITUTION. BSI root thesaurus. 4. updating. Hemel Hempstead, 1983. 31 p.

The folder with the updating information gives (1) instructions for updating, (2) a list A with deletions and (3) a list B with insertions, the latter is divided into the subject display and the alphabetical list.

148

BRITISH STANDARDS INSTITUTION. BSI Root Thesaurus. 5. updating. Hemel Hempstead, 1983. 38 p.

Comprises a List A with deletions in the subject display and the alphabetical list and a List B with insertions, which include all new entries and those old entries which need to have something added. The two lists are introduced by instructions for updating. The entries to be deleted or inserted are comfortably distinguished by special colour printing.

149

HARFAX INDUSTRY DATA SOURCES. Database user guide and thesaurus. Cambridge, Mass., Harfax Database Publishing, 1982. 378 p.

150

RODMAN, J. A. Keyword thesaurus. A list of terms and codes to identify areas of interest for research and other types of sponsored programs. Springfield, Va., NTIS, 1982. 37 p. PB83-211961.

151

SHEARER, B. F. & SHEARER, B. S., comps. Finding the source: a thesauri-index to the reference collection. London, Greenwood Press, 1981. 545 p.

E S P E C I A L I Z A D O S

S P E C I A L I Z E D

CIÊNCIAS DE APOIO

SUPPORTING SCIENCES

152

BIOETHICS Thesaurus. In: WALTER, LeRoy, ed. Bibliography of bioethics. Detroit, Gale Research, 1980. v. 6, 26 p. (ISBN 08103 0987 4).

153

BOZKO-MISINSKA, W. Thesaurus of mathematics and information science terminology. Warsaw, Wydawn, 1980. 592 p. Em polonês.

154

EDDISON, E. B. & LYMAN, L. B. Words that mean business: 3000 terms for access to business information. New York, N.Y., Neal-Schuman Publishers, 1981. 235 p.

155

EDUCATIONAL RESOURCES INFORMATION CENTER. Thesaurus of development communication. Arlington, Va., 1981. 85 p. (ISBN 0-89492-053-7, ED-208-834)

Arranged in alphabetical order with cross references.

156

GOUR, P. N. Glossary of library science technical terms. New Delhi, Library Science Publications, 1980. 164 p.

157

HEREFORD CIDER MUSEUM TRUST. Thesaurus of preferred subject terms. Hereford, 1980. 15 p.

158

HÖRNER, Walter & MATHY, Armin. Erarbeitung eines thesaurus für das statistische informationssystem des Bundes als modell für numerische informationssystem - statistik thesaurus (Development of a thesaurus for statistics). Wiesbaden, Statistisches Bundesamt, 1980. 159 p. (BMFT-F-B-ID-80-010). Em alemão.

159

LINEBACK, H., comp. Philosopher's Index Thesaurus. Bowling Green, Ohio, Philosophy Documentation Centre, 1979. 65 p.

160

THESAURUS de Science Administrative. Paris, Université de Paris II. Centre d'Études et de Recherche de Science Administrative, Centre de Documentation Sciences Humain. Institute International d'Administration Publique, 1982. 223 p. (ISBN 2-222-03109-5)

161

UNIVERSITY OF SOUTH AFRICA. Department of Library and Information Science Research Centre. Thesaurus for the index to south african literature on Library and Information Science. Pretoria, 1984. 208 p.

162

VALEIN, Pascale. Aperçus sur la documentation mathématique en France. Paris, Conservatoire National des Arts et Métiers, 1982. 2 v. (Mém. I.N.T.D.)

Plusieurs chapitres composent cette vue d'ensemble: les thésaurus français et la classification de l'American Mathematical Society, les bibliothèques et centres de documentation possédant des fonds mathématiques, les Rencontres mathématiques, les documents imprimés (primaires ou secondaires), les bases de données accessibles en France.

163

WHATMORE, G., ed. BBC data's thesaurus of terms for general, news, and current affairs collections. London, BBC Data Publications, 1983. 241 p. (ISBN 0-946358-04-4)

CIÊNCIAS FÍSICAS

PHYSICAL SCIENCES

164

CENTRE D'INFORMATION ET DOCUMENTATION SUR LA BRUIT. Thésaurus bruit. Paris, 1980. 31 p.

165

GODMAN, A. The Barnes & Noble Thesaurus of Chemistry; the fundamentals of chemistry explained and illustrated. New York, N.Y., Barnes and Noble Books, 1982. 256 p.

166

VATSURO, K. V. Tezaurus organicheskikh reaktsii (chemistry thesaurus). Moscow, Izd-vo "Nauka", 1980. 279 p. Em russo.

CIÊNCIAS DA TERRA E DO ESPAÇO

SPACE AND EARTH SCIENCES

167

DEUTSCHER BUNDESTAG. Bibliotek. Thesaurus der Hauptregionen (Thesaurus of the main regions). Bonn, 1982. 43 p. (WD2-520-4277). Em alemão.

As a part of the thesaurus of the Library of the German Parliament this thesaurus lists alphabetically the geographic names of the main regions determined and also regional references.

168

MIDGLEY, J. D. Thesaurus of universe models. 2n: FEINBERG, H., ed. Mini-thesauri. Brooklyn, N.Y., Pratt Institute, Graduate School of Library Science, 1980. p. 96-104

169

NETHERLANDS MARITIME INFORMATION CENTRE. Classification (for MARNA dataline) Thesaurus. Rotterdam, 1983. 400 p.

170

WATT, A. The Barnes & Noble Thesaurus of geology; the principles of geology explained and illustrated. New York, N.Y., Barnes and Noble Books, 1982. 192 p.

171

VINITI. Minerals Thesaurus (Russian-German; German-Russian). Moskwa, 1983. v. 4. pt. 2, 375 p. Em russo.

CIÊNCIAS BIOLÓGICAS

BIOLOGICAL SCIENCES

172

CSA life sciences collection thesaurus. Bethesda, Md., Cambridge Scientific Abstracts, 1983. 130 p.

173

KINSEY INSTITUTE FOR RESEARCH IN SEX, GENDER AND REPRODUCTION. Sexual nomenclature: a thesaurus. Bloomington, 1982. s. p.

AGRICULTURA E VETERINÁRIA

AGRICULTURE AND VETERINARY

174

GRÃ-BRETANHA. Agricultural Research Council. Agricultural Research Current Information System. ARCIS draft thesaurus. London, 1983. xii, 54 p.

The ARCIS (Agricultural Research Current Information System) system consists of two complementary databases. The first level contains details of ARS research objectives and research projects from other organisations. The second level holds details of the work of individual research workers. The thesaurus is a limited, controlled list of terms associated in hierarchical structure. A number of related terms are also provided. Three different methods are used to code information: obligatory codes applied to management fields; keywords from a controlled structured thesaurus; free text descriptions, e.g. record titles and, descriptions, which can be serially searched.

As this is the first public release of the ARCIS Thesaurus the compilers are aware that certain areas and concepts of science and technology may be omitted or not covered comprehensively. Comments and suggestions of additional terms for inclusion to Agricultural Research Council, 160 Great Portland Street, London WIN 6DT, United Kingdom.

175

GRÃ-BRETANHA. Agricultural Research Council. Agricultural Research Current Information System. ARCIS draft thesaurus. London, 1981. v. 2 54 p.

176

KOMP, J. T. Thesaurus of food terms: complete with definitions and search strategies for the database Foods Adlibra. Louisville, Ky., Komp Information Service, 1981. 275 p.

177

LEATHERDALE, D., et alii. AGROVOC: a multilingual thesaurus of agricultural terminology. Roma, Apimondia for Food and Agricult. Org. and Comm. Europ. Commun., 1982. 530 p. (ISBN 88-7643-001-6).

178

LIST of ASFA thesaurus terms: an interim document ASFA indexers. Roma, Food and Agricultural Organization, 1982. n. p.

179

ORGANIZAÇÃO INTERNACIONAL DO CAFÉ. Coffeeline: search guide and thesaurus. London, 1982. 68 p.

180

TIDBURY, G. E. Comp. CAB thesaurus. Slough, Commonwealth Agricultural Bureaux, 1983. 2 v. (ISBN 0-85198-540-8)

The thesaurus contains about 48.000 terms of which 85% are preferred terms. The subject coverage extends beyond agricultural sciences. The thesaurus was produced using the ASTUTE software packages. It is available in hard copy, microfiche, tape and online formats.

RECURSOS NATURAIS

NATURAL RESOURCES

181

E.U.A. Department of the Interior. Office of Water Research and Technology. Water resources thesaurus. Washington, D.C., 1980. 125 p. (OWRT IT-80/1).

CIÊNCIAS MÉDICAS

MEDICAL SCIENCES

182

AMERICAN SOCIETY OF HOSPITAL PHARMACISTS. Thesaurus of subject terms and cross references to International Pharmaceutical Abstracts. 2. ed. Bethesda, Md., 1983. 136 p.

This edition contains approx 35,000 terms used during the years 1970-1982. 11,000 of which are cross references. The number of postings for each primary term is given.

183

EUA. National Institute of Health. Medical and health related sciences thesaurus. Bethesda, Md., 1981. 916 p. (NTIS PB 83-106435).

The MEDICAL AND HEALTH RELATED SCIENCES THESAURUS is the list of indexing terms developed and maintained as an integral component of CRISP (Computer Retrieval of Information of Scientific Projects), a comprehensive system furnishing scientific data on all research projects supported by the Public Health Services.

184

E.U.A. National Library of Medicine. Medical subject headings; annotated alphabetic list, 1984. Bethesda, MD., 1983. 849 p. (NTIS PB 83-223156).

Alphabetic lists of all subject descriptors used by indexers and catalogers at the National Library of Med-

icine. Includes: Subject Headings Cross References; Geographic Headings; Non-MeSH Terms; Check Tags; Tree Numbers; Notes for Indexers, Catalogers, and Online Searchers.

185

E.U.A. National Library of Medicine. Medical subject headings; tree structures, 1984. Bethesda, MD, 1983. 458 p. (NTIS. PB83-223164).

All medical subject headings currently in use by the National Library of Medicine's indexers, catalogers, and searchers are arranged in the hierarchical manner showing relationships between broader and narrower terms. Included are minor and geographic descriptors.

186

E.U.A. National Library of Medicine. Permuted medical subject headings, 1984. Bethesda, Md., 1983. (NTIS PB83-234781)

The document is a computer-generated display of all terms, i.e., descriptors and cross references, in the alphabetic list of the National Library of Medicine's Medical Subject Headings (MeSH) for 1984, as well as all citation type, check tag, and geographic descriptors in the Annotated Alphabetic MeSH, 1984. The Permuted MeSH takes each significant word that appears in each MeSH term and then lists all the MeSH terms in which that word appears.

187

GANN, Robert, comp. Subject headings: The help for health thesaurus of indexing terms. In: GETTING started (collecting and organizing patent information). Part 5. Southhampton, Wessex Regional Library and Information Service, 1982. 23 p.

188

INFORMATION retrieval thesaurus in medicine and health care. Moskwa, VNIIMI, 1982. 1035 p.

189

KLAUS, E. J. & KOCH, I. Sportmedizinischer thesaurus. Als Arbeitsmittel der Sportdokumentation (Thesaurus sport medicine) Koln, Bundesinst. f. Sportwissenschaft, 1983. 219 p.

190

MIND Thesaurus of subject headings. London, National Association for Mental Health, 1980. 15 p.

191

VOLKOV, Ch.I./M. V. et alii. Information retrieval thesaurus in traumatology and orthopaedy. Pt. 1. Moskva, Centralnyj, NII Travmatologii i Ortopedii, 1982. 242 p. Em russo.

The thesaurus contains a total of 2965 terms, of which 2857 are descriptors and 198 non-descriptors. The system's searching facilities and vocabulary have been implemented on a 3rd generation computer. As a reference terminological tool it can be used in editing and abstracting scientific papers.

CIÊNCIAS SOCIAIS

SOCIAL SCIENCES

192

AMERICAN PSYCHOLOGICAL ASSOCIATION. Thesaurus of psychological index terms. Washington, D.C., 1982. 258 p.

193

ASKEW, C., comp. Thesaurus of consumer terms. Pt. 2. alphabetically structured display. Den Hoag, International Organization of Consumers Unions, 1982. 318 p. (ISBN 90-70241-07-2) Pt. 1 ref. em tesauros, bibliografia 1970/1982.

Contains about 6000 terms. Pt. 1 (of 1979) arranged the terms in a classified display of 23 subject classes with a notation to which the alphabetical index refers. The consumer interest extends to comprise also the fields of medicine, social welfare, transport and the environment.

194

ASSOCIATION DES MAIRES DE FRANCE. Service de Documentation des Collectivités Locales. Thésaurus collectivités locales. Paris, 1983. 63+68 p.

The subjects comprise public services, urbanism housing, communal personnel, communal finances, culture-youth-leisure, teaching, social matters.

195

BERNAL, C. & BARBACENA, R. C., et alii. Tesauro tematico. 4 ed. Mexico, Universidade Nacional Autonoma de Mexico, Faculdade de Ciencias Politicas y Soliciales, Centro de Documentacion, 1982. 81 p.

196

BRITISH TOURIST AUTHORITY. Tourism thesaurus. London, 1983. 125 p.

197

BURTON, W. C. Legal thesaurus. New York, N.Y., Macmillan Publisher, 1981. 1058 p. (ISBN 0-02-691010-1)

A dictionary of synonyms of legal terminology.

198

CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE. Centre de Documentation Sciences Humaines. Thesaurus multilingue économie de l'énergie (français-anglais-allemand). Paris, 1982. 376 p. (ISBN 2-222-03132-x)

Listes alphabétiques dans les trois langues. Listes hiérarchiques suivies des index alphabétiques dans les trois langues.

199

CIAMPI, C. et al. THES/BID: a computer based thesaurus of terminology in computers and the law. Firenze, Le Monnier, 1982. 575 p.

The Thesaurus is made up of: the Structured Alphabetic List in which the single descriptors are listed in alphabetical order with the various types of relations existing between them; the Hierarchic Index and the

Hierarchical List which allow for the identifying of the position of every term of the Thesaurus within its conceptual hierarchic structure: the Classification Table and the Class List which systematically place the descriptors in the articulated, general reference framework of all the subject-matter covered. Several auxiliary indices, particularly useful for the documentalist, complete the work, facilitating its consultation and interating its lexical corpus. They are: the KWOC Index which guides the user from single words making up the expressions within the Thesaurus to the expressions of which they are part; The Geographic List which contains the alphabetical list of standardized geographical names; the Acronym List made up of recurring acronyms of operative systems, programs, bodies, associations, institutions, etc., within the fields of legal informatics and computer law and of the complete expressions on which these acronyms are based.

200

COLUMBIA UNIVERSITY. Center for Population and Family Health. POP-
LINE thesaurus. Baltimore, Md., John Hopkins University, Population Information Program, 1981. 150 p.

201

DEUTSCHE STIFTUNG INTERNATIONALE ENTWICKLUNG (DSE). Zentralè Dokmentation. Thesaurus fur wirtschaftliche und soziale entwicklung (Thesaurus on economic and social development). Bonn, 1983. 2 v. (ISBN 3-922852-01-7).

The alphabetical part contains 2485 descriptors and 1290 non-descriptors with their relationship indications as well as English equivalents. The structured part groups the descriptors into 19 fields which are divided into 104 subgroups.

202

DOKUMENTATIONSRING PADAGOGIK. Pädagog Zentrum Abt. Dokum. Thesaurus padagogik (Education thesaurus). Munchen, Saur, 1982. 385 p. (ISBN 3-598-10380-8). Em alemão.

The main parts give an overview of the faceted structure and the facet terms of the systematic part, the alphabetic part as well as a systematic part in form of facets. In the alphabetic part relationships of equivalence, hierarchy and association are indicated.

203

EDUCATIONAL RESOURCES INFORMATION CENTER. Thesaurus of ERIC descriptors. 9. ed. Phoenix, Ariz., ORIX Press, 1982. 569 p. (ISBN 0-89774-019-X).

The introduction by Lynn Barnett describes revised indexing and retrieval guidelines and the ERIC method of vocabulary maintenance and review. There are 16 ERIC Clearinghouses contributing to the thesaurus contents. Their scope of interest and input responsibilities is explained.

204

E.U.A. National Institute of Justice. National criminal justice thesaurus; descriptors for indexing law enforcement and criminal justice information. mid-year ed. No Rockville, Md., 1983. 245 p.

Contains an alphabetical list of 3240 postable descriptors and 1772 non-descriptors. A five-digit number assigned to each term is used as a descriptor code.

205

EUROPEAN MULTILINGUAL THESAURUS, 1982: alphabetical list of descriptors. Strasbourg, Council of Europe, 1982. 148 p. (ISBN 92-871-0031-4)

206

GRÃ-BRETANHA. House of Commons Library The House of Commons Library Thesaurus. 3. ed. London, 1982. 650 p. (2. ed., 1981).

207

HEALTH Promotion and Education Thesaurus, 1982. Arlington, Va., Herner and Co., 1982. 128 p. (NTIS. PB83-220970/HHS/CDC/CHPE-83-0194).

The Health Promotion and Education Thesaurus is a compilation of standardized words and phrases that are used to characterize and describe health promotion and education literature and activities. It was developed by the Center for Health Promotion and Education as a source of terminology to describe items entered into the Center's health promotion and education data base. This data base includes citations and abstracts of current journal articles, monographs, conference proceedings, reports, and nonpublished documents acquired and selected by the Center. The data base also includes descriptions of programs in health promotion and education. The descriptions are prepared from information that is provided by the programs themselves. To make the information in the data base timely, only documents published or programs ongoing since 1977 are included. Because the Thesaurus is used for indexing, it also provides an authoritative list of terms for use in searching the data base.

208

HEALY, Sue & FRASER, Peter. Classification and thesaurus of community information and associated terms. Melbourne, library council of Victoria, 1982. 108 p. (ISBN 0 909962-38-3)

Emphasis is on leisure activities, education, health and social welfare, community action and research.

209

HOLANDA. Ministry of Economic Affairs. Economic Information Service. Economics abstracts international: online user manual. Oxford, Learned Information, 1979. 128 p. Includes thesaurus with UDC codes.

210

LESTER, R., ed. SCIMP/SCANP Thesaurus. 5. ed. London, London Business School, 1983. 197 p.

211

MORRIS, J. & RUSHBY, N. A classification scheme for educational software and microthesaurus. London, CEDAR, 1983? 97 p.

212

NATIONAL TECHNICAL INFORMATION SERVICES. HEALTH care microthesaurus: a hierarchical list of indexing terms used by NTIS. Springfield, Va., 1982. 64 p. (NTIS/SR-82/02 PB82-131715)

The microthesaurus was prepared by NTIS to help NTIS data base users retrieve health care related reports and to provide an indexing vocabulary for the health care information community. More than 1400 main terms and their hierarchies are listed, expressing health care concepts including those for health care costs, education, delivery, and occupations. Also included are terms covering resources, manpower, technology, services, use, and legislation. In some instances a short definition has been provided to clarify a special use of a term by NTIS.

213

THE NEW YORK TIMES. The information bank thesaurus. 7. ed. Parsippany, N.Y., 1980. 604 p.

This thesaurus is meant to search the contents of the Information Bank's computerized database of current affairs information. It can also be used to organize collections of information on current affairs. The computer stored thesaurus includes 700 000 terms, the printed in the hard copy are only those that have more than 16 citations. In a thesaurus guide at the end, search terms from 70 major subject areas are classified under 10 broad categories.

214

NEW YORK TIMES INFORMATION BANK. Thesaurus of subject terms, 1983. a guide for searching the information

bank. (New York, N.Y.), 1983. 73 p.

215

NEWMAN, Steven. SCIMP/SCANP Thesaurus. 4. ed. London, European Business Schools librarians Group, 1981. 200 p.

216

RICHARDSON, D. L. Youth and family thesaurus. Boys Town, Neb., Boys Town Center Library, 1982. 188 p.

217

STROHHOFER, J. Thesaurus: for use in a law library. In: FEINBERG, H. ed. Mini-Thesauri. Brooklin, N.Y., Pratt Institute, Graduate School of Library and Information Science, 1980. p. 127-34.

218

THÉSAURUS actualité politique, économique et sociale. Paris, La Doc. Française, 1983. 291 p. (ISBN 2-11-001061-4)

Comprises almost 4200 descriptors and 800 synonyms. It is organized in 33 fields with a maximum of 5 levels of hierarchy. Alphabetical and thematic list.

219

TITMUS, C. et alii. Terminology of adult education; a thesaurus. Paris, UNESCO Press, 1983? s. p.

220

UNIVERSITY OF MINNESOTA. Drug Information Service. Drug info and alcohol use/abuse (Thesaurus). Minnesota, Minn., Drug Information Service Centre/Hazelden Foundation, 1982. 28 p.

TECNOLOGIA

TECHNOLOGY

221

AGÊNCIA INTERNACIONAL DE ENERGIA. Coal database thesaurus. London, 1982. 161 p. (ISBN 92-2029-087-0)

222

AGÊNCIA INTERNACIONAL DE ENERGIA ATÔMICA. Biomass thesaurus. Dublin, 1982. 280 p.

223

AGÊNCIA INTERNACIONAL DE ENERGIA ATÔMICA. INIS:thesaurus. Vienna, 1984. 770 p. (IAEA-INIS-13, Rev. 23) (Rev. 22, 1983).

Revision du thesaurus, résultat d'une édition continue parallèle à l'entrée dans le système INIS, et tenant compte des propositions de descripteurs reçues.

224

AMERICAN PETROLEUM INSTITUTE. Thesaurus. 19 ed. Washington, DC, 1982. 312 p.

225

ARCO, OIL AND GAS. R. & D. Department. Descriptor frequency list, 1965-1980; a tabulation of the descriptors (and their frequency of use) assigned to articles for which abstracts or citations were published. Tulsa, Okla., Univ. of Tulsa, Information Services Division, 1981. 315 p.

226

AUSTRIA. Commissariat à l'Energie Atomique. Centre d'Etudes Nucleaires de Saclay. Service de Documentation. Thesaurus du système international de documentation nucléaire. Wien, International Atomenergie Organization, 1979. 837 p. (ISBN 92-0-278079-X, IAEA-INIS-13, Rev. 15) (F).

227

AWWA Waternet user guide (WATERNET thesaurus and subject code list). Denver, Co., American Water Works Association, 1982. 50 p.

228

DAVIES, A. D. & CRAMP, A. P. Coal taxonomy thesaurus of terms. Washington, D.C., Nat. l Bureau of Standards, 1981. 83 p. (PB83-0215632).

This report contains a thesaurus to help public and private users find and retrieve information on regulations and standards which apply both to coal technologies and coal-related environmental, safety and health issues. Document indexers may also find it helpful. The thesaurus was designed to be structurally compatible with the document storage and retrieval systems now in use by the Department of Energy (DOE) so that absorption into DOE's system could be convenient and practical. The arrangement of the thesaurus, the code system that represents the terms used in the indexing and search processes, and instructions for its use are described. The hierarchies of index terms in the thesaurus are illustrated.

229

THE DEVELOP data base thesaurus.
Minneapolis, Minn., Control Data,
1983. 272 p.

The database of Control Data covers development and innovative technologies appropriate to developing countries, such as use of water hyacinth for water quality improvement, training for small enterprise development, windpower, automotive oil recycling.

230

ELECTRICITÉ DE FRANCE. Electricity thesaurus: permuted list and arrow diagrams. Clamart, 1982. 2 v. (ISBN 0-7240-0004-8)

231

E.U.A. Department of Energy. Technical Information Center. Energy data base: subject thesaurus. Oak Ridge, Tenn., 1981. 929 p. (NTIS:DOE/TIC-7000-RS)

The Energy Data Base-Subject Thesaurus contains the standard vocabulary of indexing terms (descriptors) developed and structured by the technical staff of the Technical Information Center as part of its subject indexing activities for the building and maintenance of energy information data bases for the Department of Energy. This structured vocabulary reflects the scope of the DOE's research, development,

and technological programs and encompasses terminology derived not only from the basic sciences but also from the areas of energy resources, conservation, safety, environmental impact, and regulation.

232

E.U.A. Department of Energy. Technical Information Center. Subject thesaurus permuted listing. Springfield, Va., NTIS, 1981. 240 p. (DOC-TIC-7000-RS-APP)

233

E.U.A. National Aeronautics and Space Administration. NASA thesaurus. Washington, D.C., 1982. 2 v.

The thesaurus comprises 16.713 postable and 3.716 non-postable terms given in the hierarchical listing. The access vocabulary contains 40.661 entries.

234

E.U.A. Portland Bureau of Planning Policy Analysis Section. Energy Conservation Choice for the City of Portland. Energy information retrieval system. Springfield, Va., NTIS, 1977. v. 2 (Includes planning and energy conservation thesaurus) (PB 276280)

235

EUROPEAN brewery convention thesaurus. 2. ed. Eynsham, IRL, 1982. 2 v. (ISBN 0-904147-39-8)

Multilingual thesaurus (fr. en. de. nl) of 4144 terms covering all technical aspects of the brewing process. The thesaurus has four alphabetic main parts for each of the languages, and in each main part translations or equivalents in the other three languages are given with each term. The system of hierarchical relationships is shown in the hierarchical index. A subject category index provides a further systematic division of terms in 23 categories and 78 sub-groups. Their subject category numbers place them systematically within the group to which they bear direct relationship.

236

FACHINFORMATIONSZENTRUM HUTTENKUNDE.
Metallbearbeitung und Metall-
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proved to be a more than difficult
and long-lasting (10 years)
enterprise which, however, brought
many very interesting insights. Some
50 translator-experts were involved.
In the alphabetical arrangement each
German descriptor is accompanied by
its English translation. The hierar-
chical relationships are displayed
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PARTE 3

Descrição e análise
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PART 3

Description and analysis
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DESCRIÇÃO E ANÁLISE

DESCRIPTION AND ANALYSIS

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PETERSEN, Toni. The AAT: a model for the restructuring of LCSH. Journal of Academic Librarianship, 9(4): 207-10, sept. 1983

A revision of a paper presented at the New England Chapter of the Association of College and Research Libraries at Wheaton College, Norton, Massachusetts, and at the American Society for Information Science annual meeting in Columbus, Ohio, both in Oct 82. The Art and Architecture Thesaurus (AAT) is a hierarchically arranged thesaurus for the fields of art and architecture funded by the Council on Library Resources (CLR), the National Endowment for the Humanities (NEH) and the A.W. Mellon Foundation. It is now a unit of the J. Paul Getty Trust. Based on Library of Congress Subject Headings (LCSH) and modelled on Medical Subject Headings (MeSH), it might

be restructured hierarchically. There are implications for LC which emerged in this exercise that need serious consideration.

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POSNETT, N. W. Thesaurus of land resource terms and its relationship with a feature card system. Quarterly Bulletin of the International Association of Agricultural Librarians and Documentalists, 27(3):74-86, 1982. (ISSN 0020-5966).

The Thesaurus of Land Resource Terms has been in use for 12 years at the Land Resources Development Centre (LRDC). It was designed to give structure indexing terms for a specialised group of subjects. The purpose of studying these subjects is to access land resources with a view to the development of agriculture and forestry particularly in tropical developing countries. It was intended to develop the thesaurus in 3 stages as a 3 volume work. The list 2 stages, Provisional Thesaurus and Abridged Thesaurus, have been completed but the final stage, Complete Thesaurus, has not yet; however, the Abridged version is in everyday use at LRDC. The 3 volumes are Hierarchical, Categorized Alphabetical and Alphabetical. The hierarchy structure, size and coding of the thesaurus are described in relation to its use with a feature card system. The different ways thesauri can be compiled for both a feature card system and a mechanised system are discussed. It is concluded that more effort is required in the compilation of a thesaurus for a feature card system than for a mechanised system to overcome the limitations of the system itself.

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La première partie de l'étude est consacrée à une présentation des thé-

saurs en général: rôle, structure, caractéristiques et problèmes liés à leur évolution. La deuxième partie porte sur l'étude pratique de quatre thésaurus du domaine des transports: le thésaurus de la DIRR (Documentation Internationale de Recherche Routière), la liste des descripteurs de la CIDET (Coopération Internationale en matière de Documentation sur l'Economie des Transports), le thésaurus Ports-Navigation-Hydrologie, le thésaurus chemin de fer de l'UC (Union Internationale des Chemins de fer).

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STANCIKOVÁ, Pavla. Dvojazyčný thesaurus AIS VODOINFORM (Bilingual thesaurus AIS VODOINFORM). Knižnice a Vedecké Informácie, 14(6):247-56, 1982.

VODOINFORM is an international information system for water economics; its subsystem Automated Documentary Information Retrieval System make use of VODOINFORM subject headings and the thesaurus AIS VODOINFORM. This thesaurus contains at present 13.605 descriptors and 98 non-descriptors, arranged into 20 thematic groups. The following aspects of this system are considered: thesaurus output forms, bilingual Russian-Slovak thesaurus, with its classified and alphabetical parts, and

Slovak-Russian thesaurus also with its classified and alphabetical parts. Illustrates the process of classification and indexing of documents.

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TORIUMI, T. JICST Thesaurus in Science and Technology. Zyoho Kanri, 25(9):755-66, 1982. Em japonés.

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VAN CAMP, Ann J. The MeSH vocabulary file and CHEMLINE: online sources of chemical nomenclature. Medical Reference Services Quartely, 3(1):1-17, Spring, 1984.

Chemical nomenclature is needed for comprehensive searching of bibliographic data bases. The Medical Subject Headings (MeSH) Vocabulary File and CHEMLINE are produced by the National Library of Medicine (NLM) in Bethesda, Mariland. The MeSH Vocabulary File provides descriptors, qualifiers, and chemical terminology for controlled vocabulary and free text searching while CHEMLINE provides chemical terminology for free text searching and structural data for searching chemical structures. These chemical dictionary files can be used to provide the terminology for indexing and searching of MEDLINE, TOXLINE, RTECS, TDB, CANCERLIT, and other data bases.

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WALKER, Richard D. GEOREF search aids. Database, 6(1):24-6, Feb. 1983. Includes the GeoRef Thesaurus.

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WU, Wan-Jiun et alii. AGRI-THESAURUS: a chinese thesaurus for the Agricultural Science and Technology Information Management System. In: ASIS ANNUAL MEETING, 45, Columbus, Ohio,

1982. Proceedings. New York, N.Y., Knowledge Industry Publications, 1982. p. 342-44.

The Agricultural Science Information Center (ASIC) is in the process of developing the Agricultural Science and Technology Information Management System (ASTIMS). 3 data bases have been created, namely: agricultural science and technology personnel; agricultural research projects; and monographs and serials, periodical articles, and research reports based ou the UNIMARC format. The AGRI-THESAURUS is an indexing and retrieving tool for ASTIMS. It is based on the AGROVOC Thesaurus of FAO-AGRIS. The bulk of the AGRI-THESAURUS was compiled within a period of 2 years. It is a bilingual thesaurus with Chinese and English language editions. It comprises approximately 9.000 descriptors and 6.000 non-descriptors. The search capabilities of the thesaurus are: an on-line display of thesaurus terms and relationships among terms: when a Chinese term is searched, the system can display the matching English term; thesaurus terms may be searched in truncated form; and terms may be used as search keys for retrieval of documents; one can also expand the search by using the hierarchical and related term relationships.

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CLEARINGHOUSE

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FIALKOWSKI, Konrad R. et alii. Methodology of world clearinghouse activity. Information Processing & Management, 17(1):21-25, 1981.

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PARTE 4

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