



CONSELHO NACIONAL  
DE DESENVOLVIMENTO  
CIENTÍFICO E TECNOLÓGICO

IBICT



INSTITUTO BRASILEIRO  
DE INFORMAÇÃO  
EM CIÊNCIA E TECNOLOGIA

# TESAUROS, BIBLIOGRAFIA 1970/1982

# THESAURI, BIBLIOGRAPHY 1970/1982

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# TESAUROS, BIBLIOGRAFIA 1970/1982

# THESAURI, BIBLIOGRAPHY 1970/1982

Compilada por **Suly Cambraia Alves**

Organizada, revista e  
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**Simone Bastos**

**CONSELHO NACIONAL DE DESENVOLVIMENTO CIENTÍFICO E TECNOLÓGICO – CNPq**  
**Instituto Brasileiro de Informação em Ciência e Tecnologia – IBICT**  
**Centro de Informação em Ciência da Informação – CCI**

BRASÍLIA – 1983

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DO  
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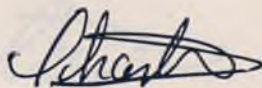
## APRESENTAÇÃO

*As bibliografias de tesouros já publicadas cobrem sobretudo os tesouros de diversas áreas e não a literatura produzida sobre o assunto.*

*O Instituto Brasileiro de Informação em Ciência e Tecnologia – IBICT ao incluir na presente obra, além dos tesouros propriamente ditos, a literatura gerada a nível nacional e internacional sobre tesouros, objetiva contribuir para o aperfeiçoamento das metodologias de tratamento da informação, através da divulgação de linguagens documentárias, e criar um instrumento para a atualização dos conhecimentos dos especialistas de informação sobre a área.*

*Parte considerável dos documentos citados nesta bibliografia consta do acervo da biblioteca do Centro de Informação em Ciência da Informação do IBICT, que se coloca à disposição dos interessados.*

*A publicação de "Tesouros, bibliografia 1970/1982 – Thesauri, bibliography 1970/1982" constitui certamente uma parcela de contribuição para o desenvolvimento dos serviços de informação, num dos aspectos fundamentais para a recuperação da informação: a terminologia controlada.*



Yone Sepulveda Chastinet  
Diretora do IBICT

INSTITUTO BRASILEIRO DE INFORMAÇÃO EM CIÊNCIA E TECNOLOGIA	
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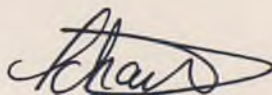
## FOREWORD

*The bibliographies of thesauri already published cover mainly thesauri of different fields of knowledge and not the literature concerning to the topic.*

*The Instituto Brasileiro de Informação em Ciência e Tecnologia (Brazilian Institute of Information on Science and Technology) – IBICT has included in this publication not only thesauri themselves, but also the national and international literature about them. This effort was done to contribute to the methodology of the information treatment through the documentary languages dissemination, in order to create a tool for update knowledge of the information specialists.*

*Some of the documents cited in this bibliography are in the library collection of the Information Center of Information Science of IBICT, which is open for requests.*

*By publishing "Tesaurus, bibliografia 1970/1982 – Thesauri, bibliography 1970/1982" IBICT has certainly given an important contribution to the development of the information services by strengthening one of the fundamental aspects of the information retrieval process: controlled terminology.*



Yone Sepulveda Chastinet  
Director of IBICT

*Agradecemos à equipe do CCI pelo apoio incondicional, a Helena Braga, Lais da Boa Morte e Maria Angélica Rodrigues Quemel pelas sugestões e, em especial, à Professora Cordélia Robalinho Cavalcanti, pela contribuição valiosa e orientação segura.*

*Acknowledges to the staff of CCI, to Helena Braga, Lais da Boa Morte and Maria Angélica Rodrigues Quemel for the professional support and suggestions given, and especially to Professor Cordélia Robalinho Cavalcanti for her contribution and orientation.*



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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 lingüísticos.
- 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 – IBCT:

- 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 e Patentes.

- 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 Biológicas: 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.

● Tecnologia: Engenharia, Mineração, Tecnologia da Energia, Bioengenharia, Biotecnologia, Tecnologia Industrial, Arquitetura e Urbanismo.

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 multilingüe.

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.

## EXPLANATORY NOTES

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

### PART 1

- General aspects: conceptual and historical aspects, phylosophy, 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 and Patents.
- 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 Sciences, Natural Resources.
- Medical Sciences: Medicine, Pharmacology, Paramedical Science and Dentistry.
- Social Sciences: History, Cultural Antropology, Indianism, Sociology, Demography, Psychology, Law, Political Science, Public Administration, Economy, Finances, Labor, Industry, Services, Education, Social Welfare, Housing and Food.



● **Technology:** Engineering, Mining, Energy Technology, Bioengineering, Biotechnology, Industrial Technology, Architecture and Urbanism.

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

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

The subject index descriptors are established based on the titles and abstracts taken from the documents. Since this a thesaurus bibliography, 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 reference and the others are included as special notes. Translations of the some thesaurus have specific references.

1942  
MORSE, C. The code of the...  
The code of the...  
The code of the...  
The code of the...  
The code of the...

1943  
MORSE, C. The code of the...  
The code of the...  
The code of the...  
The code of the...  
The code of the...  
1945, 1946, 1947.

**PARTE 1**

1947  
MORSE, C. The code of the...  
The code of the...  
The code of the...  
The code of the...  
The code of the...  
1947, 1948.

- Aspectos gerais
- Padronização
- Construção e uso
- Automação

1948  
MORSE, C. The code of the...  
The code of the...  
The code of the...  
The code of the...  
The code of the...  
1948, 1949.

**PART 1**

1949  
MORSE, C. The code of the...  
The code of the...  
The code of the...  
The code of the...  
The code of the...  
1949, 1950.

- General aspects
- Standardization
- Construction and use
- Automation

1950  
MORSE, C. The code of the...  
The code of the...  
The code of the...  
The code of the...  
The code of the...  
1950, 1951.

1951  
MORSE, C. The code of the...  
The code of the...  
The code of the...  
The code of the...  
The code of the...  
1951, 1952, 1953.

1952  
MORSE, C. The code of the...  
The code of the...  
The code of the...  
The code of the...  
The code of the...  
1952, 1953.

1953  
MORSE, C. The code of the...  
The code of the...  
The code of the...  
The code of the...  
The code of the...  
1953, 1954.

1954  
MORSE, C. The code of the...  
The code of the...  
The code of the...  
The code of the...  
The code of the...  
1954, 1955, 1956.

1955  
MORSE, C. The code of the...  
The code of the...  
The code of the...  
The code of the...  
The code of the...  
1955, 1956, 1957.

1956  
MORSE, C. The code of the...  
The code of the...  
The code of the...  
The code of the...  
The code of the...  
1956, 1957, 1958.

1957  
MORSE, C. The code of the...  
The code of the...  
The code of the...  
The code of the...  
The code of the...  
1957, 1958, 1959.

1958  
MORSE, C. The code of the...  
The code of the...  
The code of the...  
The code of the...  
The code of the...  
1958, 1959, 1960.

1959  
MORSE, C. The code of the...  
The code of the...  
The code of the...  
The code of the...  
The code of the...  
1959, 1960, 1961.





## ASPECTOS GERAIS

### GENERAL ASPECTS

0001

ARNTZ, H. Change equivalence between UDC and thesauri. In: SEMINAR ON UDC AND MECHANIZED INFORMATION SYSTEMS, 2., Frankfurt, 1970. Proceedings. Copenhagen, Danish Centre for Documentation, 1971.

0002

BEYA, Martha. La función del macrothesauro en el desarrollo de la información en América Latina. In: REUNIÃO BRASILEIRA DE CIÊNCIA DA INFORMAÇÃO, 2., Rio de Janeiro, 1979. Trabalhos apresentados. Rio de Janeiro, IBICT, 1979. v.1, n.7.

0003

BIRJUKOV, B. V. & VOROBYEV, G. G. A thesaurus approach to communication processes and documentary information. Teor. rozvoje vedy, 2 (2): 69-82, 1978.

0004

BRACHMANN, B. Zur widerspiegelung des informationsgehaltes archivalischer quellen in den Recherchegilfsmitteln. (On the mirroring of the information contents of archival sources in retrieval aids). Archiv.-Mitt., 28 (1):10-5, 1978.

Description of the possibilities of using thesauri for the subject analysis of archive materials.

0005

CHIAPPETTI, F. Esempi di applicazione della CDU, con particolare riferimento ai thesauri. In: ATTI del Seminario di studi sulla CDU, Roma, settembre, 1975. Roma, 1977. p. 95-108.

0006

CONCERNING thesaurus terminology. Intern. Classif., 2(2):111-12, 1975.

Brief introduction into the policy of the "Terminology Corner" of International Classification and presentation of the specific thesaurus terminology as used in D. Soergel's "Indexing languages and thesauri. Construction and maintenance". Los Angeles 1974.

tion and maintenance". Los Angeles 1974.

0007

CONCERNING thesaurus terminology - II. International Classification, 3 (1): 37-9, May 1976.

0008

COOKE, G. A. et alii. The study of UDC and other indexing languages through computer manipulation of machine-readable data bases. In: PROCEEDINGS of the international symposium: "UDC in relation to other indexing languages". Herceg Novi, Yugoslavia, 1971. Beograd, Yugoslavia, Yugoslavia Center for Technical and Scientific Documentation, 1975. p. 1-24.

0009

DAHLBERG, Ingetraut. Committee for classification and Thesaurus Research (KTF). Report for 1973-1974. Nachr. Dok., 26(1): 27-32, 1975.

List of the members of this committee of the German Documentation Society existing since 1965, and reports about the topics and 11 papers discussed in the three meetings of 1973-1974. The cooperation of KTF-members in other relevant bodies is indicated and publications on the KTF and the KTF-papers are listed, mainly on the theory of relations (syntagmatic and paradigmatic ones).

0010

DAHLBERG, Ingetraut. Toward establishment of compatibility between indexing languages. Int. Classif., 8 (2): 86-91, 1981.

Outlines previous work done in the field of compatibility between indexing languages (IL), and describes the scope, limitations and advantages of establishing compatibility between IL. Suggests methods for verbal comparisons between IL as well as generation of an alphabetical comparison matrix M1. Conceptual comparisons, however, demand a conceptual reorganization of M1 into a compatibility matrix M2 with its two alternatives, namely a system-related matrix M3 and a hierarchical

matrix M4. In conclusion, the use of a compatibility matrix and organizational problems are described.

**0011**

DAHLBERG, Ingetraut. Workshop on "Qualitative evaluation of thesauri". Int. Classif., 4(1):40-1, 1977.

Report on the results of a Workshop of the Commission of the European Communities held on Jan. 13-14, 1977 in Luxembourg considering (1) a report by G. Van Slype on essential characteristics and evaluation criteria of mono- and multilingual thesauri, (2) the Unesco Guidelines for Multilingual Thesauri, (3) a permanent inventory of thesauri, (4) possible research efforts in this area.

**0012**

DAVID, A. Symposium international sur les thesaurus multilingues. Berlin, 8-10 Oct. 1973. Documentaliste, 11(1):41-2, 1974.

**0013**

DIEMER, A. Classification, thesaurus, and what next? The problem of the "third generation" in documentation and information. Nachr. Dok., 23:52-7, 1972. Em alemao.

**0014**

FILL, Karl. Dezimalklassifikation und thesauri (The Universal Decimal Classification and thesauri). DK-Mitteilungen, 19(2-3): 5-10, Mar./May 75.

Compares UDC with thesauri, concluding that for classification and documentation purposes a combination of the two would be ideal.

**0015**

FOSKETT, Douglas John. Thesaurus. In: ENCYCLOPEDIA of Library and Information Science, v.30. New York, M. Dekker, c1980. p. 416-63.

**0016**

FUGMANN, Robert. The glamour and the misery of the thesaurus approach. Int. Classif., 1(2):76-86, Nov. 1974.

If any important natural - language term which a documentalist encounters

in storing literature and in phrasing enquiries is admitted as an addition to a thesaurus, then the thesaurus will soon exceed the limits of its operancy and will increasingly fail to serve the purpose of an efficient device for reliable terminological control in the input and retrieval stage. The continuous decline can effectively be counteracted by conceptual analysis of candidate terms and by resynthesis of the terms of their conceptual constituents. This suggests a balanced combination of the thesaurus and the analytico-synthetic classification approach, particularly in large information retrieval systems. The representation of certain, predominantly syntactical relations, however, exceeds the capabilities of both approaches. These relations can be managed by two different devices described, namely by a clearly defined set of relation indicators and by an optionally additional graphical representation of extended concept relations.

**0017**

GAUDENZI, N. Tesoro: antico termine per uno strumento moderno della documentazione. Boll. Inform. Doc., Italia, 13:13-22, 1974.

**0018**

GAVRYCK, J. A. Teaching concept identification through the use of the thesaurus of ERIC descriptors. Online, 4(1):31-4, Jan. 1980.

Initially ERIC was chosen as the teaching data base of the State University of New York Albany School of Library and Information Science because of low cost and for the clarity and completeness of the indexing. Students must be aware of the complexity of the interview process; subsequent selection of index terms requires a cognition capable of instant morphological analysis and language reconstruction from slender clues. Discusses possible ERIC exercises which help students in search analysis. ERIC is particularly responsive to users in providing new additions to the thesaurus.



0019

GENDLINA, I. E. Ob usovershenstvovanii alfavitno - predmetnogo ukazatelya k UDK (The enhancement of the alphabetical subject index to the UDC) Nauch.-Tekh. Inf., Ser. 1, 8:18-20, 1977.

A review of the structure and contents of the alphabetical subject index (ASI) to a UDC-thesaurus-a classification tool of a new type based on the UDC. The scheme has 2 parts: systematic tables containing UDC notation, and an alphabetical section having some characteristics of the alphabetical part of a thesaurus, and expressing semantic relationship between terms. In an information system based on UDC a strictly structured ASI can fulfil functions usually attributed to a thesaurus. The need for a more comprehensive and visual representation of the relations between synonyms in the ASI is stressed. Experience in compiling indexes to UDC-thesauri can be used when preparing ASI for other UDC publications.

0020

GILCHRIST, Alan. Role of thesauri in mechanized systems. In: INDEXERS on indexing. New York, R. R. Bowker, 1978. p. 381-89.

There is a long history of research and development of thesaurus-type tools for various purposes including information retrieval, but vastly more money has been spent far more recently on mechanized information retrieval. This paper lightly reviews thesauri and mechanized systems and concludes with some observations about this apparent imbalance and the need for deeper thinking about concept formation and relationships, and more imaginative use of computers.

0021

GILCHRIST, Alan. The thesaurus in retrieval. London, ASLIB, 1971. 184p.

0022

GORKINA, N.S. & KRAVCENKO, N.D. The Use of the terms "classification" and "thesaurus". Automatic Documentation. & Math. Linguistics, 8(4):33-8, 1974. Em russo.

0023

GOROL, A. et alii. An attempt to unify the classification of documents according to the Universal Decimal Classification System by adjusting its symbols to the descriptors of the thesaurus. Aktual. Probl Inform i Dok., 20(3):3-11, 1975. Em polones.

The descriptors of a thesaurus of non-ferrous metals were reconciled with the UDC (given UDC-notations). In the majority of the 3543 cases descriptors were found to correspond to the UDC-numbers, in a certain number of cases, two or three UDC-numbers had to be composed. These were marked for non-use in classification.

0024

GREAVES, Monica A. A comparative study of verbal subject data in information retrieval systems in education. Educ. Libr. Bull., 21(2):1-19, Summer 1978.

Examines the differences between terms used in the computerised education information retrieval systems operated by the British National Bibliography (PRECIS), Educational Resources Information Center, European Documentation and Information System for Education, and Unesco/International Bureau of Education. The differences, those which appear to be arbitrary, those based on national differences, and those related to the operation of the retrieval system, are discussed. Differences, and those related to the operation of the retrieval system, are discussed. Differences in the application of the terms to documents are demonstrated. Summarises problems which might arise in standardising the terms in all the systems. Too rigid standardisation might hinder progress in the development of more efficient subject access in education.

0025

GUHA, B. Thesaurus in indexing. In: Documentation and information. Calcutta, The World Press Private, c1978. p. 178-200.



0026

HARRIS, Brian. On the translation of classification instruments. T.A. Informations, 19(2):57-67, 1978.

The use of classification systems entails several types of translation: (1) translating between 2 classification systems e.g. from LC to ERIC descriptors; (2) translating the working instruments of a classification system (typically a thesaurus or the index to a schedule) from one natural language to another e.g. translating an edition of the UDC from German to English. Some typical examples are considered in the light of contemporary translation theory and are classified according to Ljudskanov's taxonomy of translation types. The particular problem of translating a thesaurus is discussed with reference to work by Beling et al and by Digger. The thesaurus translator has to deal not with individual descriptors but with structured sets of them: an equivalence class in language A must be translated by an equivalence class in language B.

0027

INFORMAL task force on indexing vocabularies. Bibliogr. Doc. Terminol, 18(3):152-3, May 1978.

0028

JAHODA, Gerald. Controlled index vocabularies. In: Information storage and retrieval systems for individual researchers. New York, Wiley/Interscience, c1970. p. 27-35.

0029

JONES, Karen Sparck. Some thesauric history. Aslib Proceedings, 24(7): 400-11, July 1972.

0030

JOURNÉE D'ÉTUDE SUR LES THESAURI. Montpellier, 1978. Bull. Bibl. de France, 24:177-8, avr. 1979.

0031

KENT, Allen. Unsolvable problems in information science. Probl. Inf. Doc., 8(4):262-81, 1974. Em romano.

'Unsolved' problems include: semantics, thesauri, indexing, vocabulary

control, relevance and significance.

0032

KIRKMAN, J. et alii. Controlled English in international documentation. In: FID. Congresso. 39., University of Edinburgh, 1978. New trends in documentation and information: proceedings. London, Aslib, 1980. p. 70-6. (FID Publication, n. 566).

Controlled English could save many translation costs if it were used in international technical documentation. Controlled English has a limited vocabulary and a simplified syntax. Describes the Controlled English Project at University of Wales Institute of Science and Technology where a version is being developed for L.M. Ericsson. The core vocabulary is a single alphabetical list of Ericsson English and 'forbidden' works. The Writer's Guide helps writers to produce short simple sentences.

0033

KOFNOVEC, Ladislav, & SIMANDL, Dusan. Selekční jazyky: současný stav a perspektivy používání v cs. informační soustavě. (Information retrieval languages: the present state and prospects for their use in the Czechoslovak information system). Ceskoslovenská Informatika, 18(3):82-6, 1976.

Analysis of present trends shows a tendency in information practice to abandon universal retrieval languages, such as traditional classification schemes, in favour of specialised retrieval languages, especially of the descriptor type. It is difficult to determine future development, but as far as the traditional retrieval languages are concerned they will still be used in the case of multidisciplinary collections and in small information units where it is not economical to use automated means of information retrieval. Generally speaking, in the 1980s, subject headings, classification systems, and descriptor languages (thesauri for one subject or branch of industry and those of a multidisciplinary type) will still be in use. The usefulness of a 'linking' language as the basis of mu-



tually compatible languages for international information systems is also discussed. Recommendations concerning the internal organisation of the Czechoslovak information system and the perspectives of linking it to the International System for STI (Eastern Europe) and to UNISIST are presented.

0034

KOREVAAR, J. D. Thesaurus problems: UDC and legal literature. Intern. J. Law Libr., 2(1):20-1, 1974.

0035

KOWALEC, Maria. Co to jest tezaurus? (What is a thesaurus?) Poradnik Bibliotekarza, 32(6): 129-33, 1980.

The work thesaurus is traced from a 'storehouse for treasure' through to Roget's Thesaurus and now to a dictionary of phrases very helpful in the world of information retrieval. Discusses the arrangements and usefulness of Slownik terminologiczny informacji naukowej (Dictionary of terminology for scientific information), Tesaurus automatyki i pomiarów (Thesaurus of automation and measurement) and Slownik tematów dla bibliografij i katalogów w układzie przedmiotowym (Dictionary of subjects for bibliography and catalogues in subject order).

0036

LAQUEUR, M. A. M. Thesaurus, een blijvende zaak of niet. (Thesaurus, here to stay or not?). Open, 9 (4): 199-207, Apr. 1977.

A literature review mainly covering 1970-75 publications dealing with the external aspects of the thesaurus. There is much diversity of opinion on the definition of a thesaurus, on the usefulness and the possible ways of using thesauri in documentation, and on the position of the thesaurus in relation to classification systems.

0037

LAZARESCU, G. Un instrument auxiliar în nuna de pregtare si perfecti-nare a cadrelor didactice. (An auxiliary tool for teaching staff training) Stud. Cerc. Doc., 19(1-2):91-6, Jan.-Mar./Apr., June 1977.

Discusses ways of using the Thesaurus of descriptors in education areas and in the work of individual teachers, for self-improvement.

0038

LEATHERDALE, Donald. Thesaurus interfaces in agricultural and allied fields. Quart. Bull. IAALD, 18 (3): 143-47, 1973.

Señala la naturaleza multidisciplinaria de la agricultura y por lo mismo la necesidad de usar más de un tesoro especializado en los sistemas de información agrícola. Menciona los sistemas AGRIS, el Macrotesauro de la OECD, el Canadian Agricultural Thesaurus, el IFIS thesaurus, entre otros.

0039

LISCHEWSKY, B. Thesauri als Hilfsmittel der verbalen sacherschliessung. (Thesauri as aids in verbal information retrieval). Buch und Bibl, 29: 810-11, Oct. 1977.

0040

MANECKE, Hans-Jürgen. Aufwand und Nutzen bei der Erarbeitung und Anwendung von informationsrecherchesprachen (Expenditure and advantage in the compilation and application of information search languages). Informatik, 23(4):34-6, 1976.

Descriptor languages are among the search languages most frequently used at present, especially in the field of thesauri. The expressiveness of search languages is inferior to that of natural languages. Reduced expressiveness means loss of information. Minimisation of loss of information by increasing expressiveness is one of the essential objectives in the compilation and perfection of information search languages. This is why—even with due regard to subjective shortcomings in indexing—new means of increasing expressiveness should no longer be developed. What is more rational is the long-term application of 'standard' thesauri with the simultaneous elaboration of methods aimed at reducing subjectivity in indexing.



0041

METZ, R. & SCHILICK, J. Study of the indexing and evaluation of a thesaurus for research in the humanities: the relations documentation - research. Paris, CNRS, 1973. 66 p. Em francês.

Investigation into the possibilities of using a thesaurus for religious sciences and the Program CONCORDIA in the documentation of the humanities.

0042

MEYRIAT, Jean. Social science information languages: a comparative analysis. Int. Classif., 7:60-5, July 1980.

Preliminary report presented at the Consultative Meeting on the Establishment of an Integrated Thesaurus of the Social Sciences, Paris, Unesco, 9-11 June 80. Report of an analysis of 60 information languages of the social sciences regarding the distribution of these languages within the social sciences. Discusses purpose and empirical method used. For each of 41 subject fields the number of terms in significant information languages are given. Makes suggestions for further investigations and for the preparation of a General Indexing Language in the social sciences.

0043

MILDNER, Horst. Zur weiteren Entwicklung von informations-recherchersprachen. (Further development of information search languages). Informatik, 23(1):31-2, 1976.

Information search languages of the classification type and the descriptor type should be used together in automated information retrieval systems. The comprehensive development of equivalence classes is very important. Each thesaurus used in a specific automated branch information system has tended to develop in isolation from those in other subject fields. These systems differ from one another not only in terminology and classification but also in the basic tasks required of them and in the nature of the information stored. The Central Institute for Information and Documentation in the GDR has recommended systematic principles for overcoming difficulties in adjusting terminology used in thesauri of

different disciplines. The use of natural language in thesauri should be developed still further.

0044

MONFORTE, J. R. S. Una nueva clasificación documental: el tesoro. Med. Española, 70:297-305, 1973.

0045

MOOERS, Calvin N. Descriptors. In: ENCYCLOPEDIA of Library and Information Science. New York, M. Dekker, c1972. v. 7 p. 31-45.

0046

NOWAK, Claus-Günter. Marginalien zu einer Konvergenztheorie der sacherschliessungsverfahren (Some remarks on a theory of convergency in the field of subject cataloguing). Bibliothek Forschung und Praxis, 3(3): 159-69, 1979.

Proves the thesis of a convergency of classification systems on the one hand and thesauri on the other through a short survey of developments in the fields of subject cataloguing. Discusses both theoretical and practical aspects of information systems, and indicates some pertinent activities of libraries in general.

0047

OHMAN, E. The criticism of UDC by H. Arntz in the light of investigations into concordances between UDC and Thesauri. Nachr. Dok., 23:65 - 8, 1972. Em alemão.

0048

OLIVEIRA, Luiz Roberto B. de. Thesauri; sua fundamentação. Rio de Janeiro, Fundação Getúlio Vargas, 1970. 10 p.

0049

PRESCHER, B. M. Encyclopedia article titles as thesauri terms in indexing. In: AMERICAN SOCIETY FOR INFORMATION SCIENCE. Annual Meeting, 41. New York, NY, 1978. Information age in perspective: proceedings, Washington, ASIS, 1978. v. 15, p. 264-66.

The first step in the development of a new thesaurus for the storage and re



trieval of information is to collect and organize the terms that will be necessary for the indexing of the items to be stored and retrieved. In comparable fashion, the first step in the development of a new encyclopedia is to collect and organize a list of the articles that will be included in the encyclopedia. The list of article titles for the encyclopedia and the list of terms for the thesauri have many similarities in function and genesis.

0050

RAITT, D. I. Recall and precision devices in interactive bibliographic search and retrieval systems. Aslib Proc., 32(7-8):281-301, July/Aug. 1980.

An index language usually incorporates various methods for improving recall and/or precision while searching. Recall devices tend to increase the size of retrieved document sets, while precision devices tend to reduce them. Describes the most common devices and examines their use in several thesauri. The thesauri used relate to data bases available for searching on the European Space Agency (ESA) IRS and include the NASA Thesaurus, Thesaurus of Engineering and Scientific Terms, Thesaurus of Metallurgical Terms, Subject Headings used by the USAED, Subject Headings for Engineering, INIS Thesaurus and the INSPEC Thesaurus. Discusses use of recall and precision devices on ESA IRS.

0051

RAJAN, T. N. Dewey's relative index - a precursor to thesaurifacet. Ann. Libr. Sci. Docum., 23(4):270-74, Dec. 1976.

Traces the development of the Relative Index in the 18 editions of the Dewey Decimal Classification (DDC). The classified and the alphabetical parts of the DDC are mutually supplementary and complementary and the index is not merely a location aid to the tables. The concept of a relative index has influenced other classification systems such as UDC, Bliss and also the Thesaurifacet of the English Electric Co. This scheme features equivalence, hierarchical and associative relationships between terms in the tradition of

the DDC. Concludes that DDC could easily be developed into a thesaurifacet, making it even more versatile.

0052

REGT, W. F. de. Symposium on multilingual thesauri. Berlin (West), Oct. 8-10, 1973. Intern. Classif., 1(1): 43, 1974.

0053

RICHMOND, Phyllis A. A thesaurus within a thesaurus: a study in ambiguity. In: TOWARD a theory of librarianship; papers in honor of Jesse Hauk Shera. Edited by Conrad H. Rawski. Metuchen, Scarecrow, 1973, p. 268-301.

0054

ROLLING, Loll. Thesaurus definitions. International Classification, 3(1): 37-9, 1976.

0055

RODRIGUES DELGADO, R. Toward the integration of decimal classification and thesauri concepts. In: INTERNATIONAL FEDERATION FOR DOCUMENTATION. Conference, Edinburgh, 1978. New trends in documentation and information. Aslib for FID, 1980. p. 277-94.

Considers general systems theory as a basis for terminological integration and attempts to bridge the gap between thesauri and decimal classification. The megathesaurus can be seen as a standard simplified structure for ordering semantic fields, it should cover the whole of human knowledge. The megathesaurus should also offer a standard system of numerical codification. There would be a standardised number of semantic fields and levels; the megathesaurus would cover the first 2 digits with a maximum of 100 general terms. Gives some examples.

0056

SAHLI, Marilyn Sue. Terminology of the social sciences: the term "cognitive processes" in the thesauri of two discipline-based information systems. An Arbor, Michigan, University Microfilms International, 1981. 245 p.



(PhD thesis - Case Western Reserve University, Ohio). Hierarchical charts showing the arrays under the term 'cognitive processes' in the ERIC thesaurus and Thesaurus of psychological index terms demonstrate that the term appears in different hierarchies in the 2 indexing languages. 3 explanations are offered, discussed, and rejected. These results suggest the need for further similar studies.

0057

SCHUBERT, P. Probleme der sacherschliessung von informationsquellen aus der sicht einer Fachbibliothek. (Problems of subject classification of information sources from the point of view of a special library). Zentr. Bibl. 91(7):319- 22, July 1977.

A double retrieval system is suggested to cover the detailed subject demands made on information units and special libraries. The approach recommended consists of employing a search language derived from a hierarchical classification, complemented by a thesaurus. The importance of using strict procedural guidelines is emphasised.

0058

SCHUCK, H. J. Was ist ein thesaurus. Sprachmittler, 4:111- 23, 1977.

This lecture not only gives an introduction into an overall understanding of the structure and the purpose of a thesaurus but compares thesauri also with dictionaries and pleads for a better understanding of the purposes of information science by linguists and especially terminologists.

0059

SCHULTE-ALBERT, Hans G. Classificatory thinking from Kinner to Wilkins: classification and thesaurus construction 1645-1668. Libr. Q., 49(1):42-64, Jan. 1979.

Reviews the work of Cyprian Kinner, George Dalgarno and Bishop John Wilkins and others during the mid-17th century, in classification and thesaurus construction designed to overcome language barriers and produce systems

to organise the rapidly developing sciences.

0060

SCIBOR, Eugeniusz. A preliminary study of the possibility of setting up tables of comparison between the UDC and the EJC thesaurus. Akt. Prob. Inf. Doc. 17(1):23- 6, 1972. Em polaco.

0061

SCIBOR, Eugeniusz. UDC in relation to thesauri: a state-of-the-art report. In: INTERNATIONAL FEDERATION FOR DOCUMENTATION. Congress, 39., Edinburgh, 1978. New trends in documentation and information. Aslib for FID, 1980. p. 248-58.

Considers comparative efficiency of the UDC and descriptor languages and attempts to bring the UDC structure of descriptor languages by compiling so-called thesaurifield indexes to UDC schedules establishing concordances between UDC and thesauri or descriptor keywords. Investigations have shown that about 90% of thesaurus terms have their equivalents in the form of simple, compound or complex UDC numbers.

0062

SÉMINAIRE SUR L'ÉVALUATION QUALITATIVE DES THESAURI, Luxembourg, Centre Jean Monnet, 13-14 Janvier 1977.. Bull. Bibl. de France, 22(4): 239- 40, Apr., 1977.

0063

SOERGEL, Dagobert. A universal source thesaurus as a classification generator. Journal of the American Society for Information Science, 23(5): 299-305, Sept./Oct. 1972.

0064

SUBRAMANYAM, K. Comparison of four thesauri in education. Herald of Library Science, 13(3-4):242- 53, July/Oct. 1974.

0065

SUTTER, E. Evaluation qualitative des thésaurus (séminaire) Luxembourg, 13-14 janvier 1977. Documentaliste, 14(2):59. Mar. 1977.



0066

THEORIE en praktijk van de thesaurus; colloquium 30 november 1978, Archief en museum van het vlaamse cultuurleven, Antwerpen. (Theory and practice of the thesaurus; colloquium, November 30, 1978, Archive and museum of Flemish culture, Antwerp). Bibliothekgids, 55:66-85, Jan./June 1979.

0067

VALENZUELA COURRÈGE, Z. P. de. O thesaurus. Rio de Janeiro, Fundação Getulio Vargas, 1970. 15 f.

0068

VAN SLYPE, Georges. Les langues documentaires dans la perspective de l'utilisation des réseaux internationaux d'IDST. In: FID. Congresso, 39., Universidade de Edinburgh, 1978. New trends in documentation and information: proceedings. Aslib, 1980. p. 298-314. (FID Publication, n.566).

The rapid growth of international information and the recent construction of EURONET have made harmonisation of methods and multilingual access vital. Following consideration of 10 existing suggestions, proposes the adoption of EUROTHESAUTOM, a juxtaposition of the thesauri of all the data bases linked with EURONET, in all their language versions, and semantic relations hips, and with reference to the thesaurus of origin. Cross references would be made between languages, and the existence of equivalent descriptors and associated terms notified. Such a system would be easy to construct and to update.

0069

VOORBIJ, H. Thesaurusproblematiek: de finitie, terminologie en functie. (Problems of the thesaurus: definition, terminology and function). Open, 12(4):198-205, Apr. 80.

Considerable confusion surrounds the definition of the authority file and thesaurus. Library catalogues may take the form of an alphabetical author/title catalogue, an alphabetical subject catalogue using subject keywords taken from a list of subject headings, or a classified catalogue arranged in notation order of the classification scheme employed. An authority file may be

described as a list of subject headings used in an author/title or subject catalogue, with references from variant forms of headings. A thesaurus is a form of authority file for a subject catalogue. The thesaurus with its controlled vocabulary of related terms and its capability of accommodating new topics is superior to a list of subject headings and to a classification scheme as a means of subject access to a library's holdings.

0070

WALL, Eugene. Symbiotic development of thesauri and information systems: a case history. Journal of the American Society for Information Science, 26(2):71-9, Mar./Apr. 1975.

0071

WALLS, Nina. Thesauri and classifications in non-scientific areas. Drexel Library Quarterly, 8(2):129-34, Apr. 1972.

0072

WELLISH, Hans. A concordance between UDC and TEST (Thesaurus of Engineering and Scientific Terms). Informatika, 8(2):37-51, 1974.

0073

WERSIG, G. Thesaurus-Leitfaden. Eine Einführung in das thesaurus - prinzip in theorie und praxis. München Verlag Dokumentation Saur KG, 1978. 346 p, (DGD - Schriftenreihe, Bd.8).

Contains the following chapters: 1. Conceptual determinations. 2. Functions of a thesaurus. 3. Structure of a thesaurus. 4. Parts of a thesaurus. 5. Thesaurus construction and maintenance. 6. Thesaurus types and examples. References. Index.

0074

WOLF-TERROINE, M. A macrothesaurus. Why? How? In: INTERNATIONAL STUDY CONFERENCE ON CLASSIFICATION RESEARCH, 3., Bombay, 1975. 9 p.



PADRONIZAÇÃO  
STANDARDIZATION

0075

AMERICAN NATIONAL STANDARDS INSTITUTE.  
American national standard guidelines for thesaurus structure, construction and use. New York, 1974. 20 p.

Report not available from NTIS. The standard presents rules and conventions for the structure, construction, and maintenance of a thesaurus of terms which provides a systematic means of controlling the indexing and searching vocabulary of an information storage and retrieval system. The standard defines 'thesaurus' and illustrates its use.

0076

ASSOCIATION FRANÇAISE DE NORMALIZATION. (AFNOR). Règles d'établissement des thesaurus monolingues. Documentaliste, 19(2):70-1, mars./avr. 1982.

0077

AUSTIN, Derek. Progress towards standard guidelines for the construction of multilingual thesauri. In: EUROPEAN CONGRESS ON INFORMATION SYSTEM AND NETWORKS. 3., Luxembourg, 1977. Proceedings: overcoming the language barrier. München Verlag Dokumentation, 1977. vol. 1, p. 341-51.

0078

AYMARD, M. et alii. Regras e critérios para construção de thesauri monolingues especializados; proposta de norma. In: CONGRESSO BRASILEIRO DE BIBLIOTECONOMIA E DOCUMENTAÇÃO, 9., 3-8 de julho 1977. Anais. Porto Alegre, 1977. v.1, p. 91-108.

0079

BRITISH STANDARDS INSTITUTION. Guidelines for the establishment and development of monolingual thesauri. London, 1979. 36 p. (British Standard 5723).

0080

CONSTRUCTION rules for monolingual information retrieval thesauri. Normativ.-techn. dokumenty MCNTI, Vyp. 1:49-62, 1976. Em russo.

0081

DAHLBERG, Ingetraut. Citation codes in classification and terminology: proposal for an international standard. Int. Classif., 5(2):91-2, 1978.

Suggests short mnemonic citation codes for classification systems, thesauri and dictionaries. The codes indicate whether the publication is a universal or special edition, language, and number of editions. Comments are invited before an authority file is established.

0082

DAVID, A. Normalisation internationale de l'élaboration des thesaurus. Documentaliste, 11(1):40, 1974.

0083

FELBER, H. Results of the ISO/TC46/WG5 meeting in Paris, 15 Nov. 1977. Int. Classif. 5:38, Mar., 1978.

0084

GOST 18383-73: Information retrieval thesaurus. General representation. Em russo.

Russian thesaurus guidelines based on the ISO/TC (1041E) recommendations of August 1971.

0085

HEIJNEN, J. & TODESCHINI, C. Guidelines for the development and maintenance of the INIS Thesaurus. Vienna, International Atomic Energy Agency, 1971. 30p. (IAEA-142).

0086

INSTITUTO COLOMBIANO PARA EL FOMENTO DE LA EDUCACIÓN SUPERIOR. Directrices para el establecimiento y desarrollo de tesauros monolingues. Bogotá, FID/CLA, 1980. 71 p. (Norma colombiana 1476, 1a. revisión).

Columbia's National Standard NC 1476 corresponds in content and size to ISO Standard 2788 for the establishment and development of monolingual thesauri. However, it differs from the international standard in a simpler treatment of some linguistic problems, new examples and numerous illustrations; on the whole, the standard was developed

strictly to meet the nation's needs and its level of development of STI, which is quite high at the present time. Supplements include a sample of a classified descriptor list in a graphic outline, schematic steps and methods of work in thesaurus development and maintenance, sample cards for filing keywords and descriptors (different blank forms are reserved for different purposes and work stages), and fragments of three thesauri which have been developed and used in Columbia.

0087

MONOLINGUAL information retrieval thesaurus: composition, structure, and format. Normativ.-tech. dokumenty MCNTI Vyp, 1:5-11, 1976. Em russo.

0088

MULTILINGUAL information retrieval thesaurus: composition, structure, and format. Normativ.-tech. dokumenty MCNTI. 1.:37-9, 1976. Em russo.

0089

ORGANIZAÇÃO INTERNACIONAL DE NORMALIZAÇÃO. Guidelines for the establishment and development of monolingual thesauri. Geneve, 1974. 13p. (ISO 2788, 1974).

0090

ORGANIZAÇÃO INTERNACIONAL DE NORMALIZAÇÃO. Rules for building multilingual thesauri. Geneve, 197?. 48f.

0091

ROSENBAUM, Hans-Dieter. Methodische Grundsätze für die Erarbeitung Mehrsprachiger Thesauren der Mitgliedsländer des RGW. (Methodological guidelines for the development of multilingual thesauri for CMEA member countries). Informatik, 21(2): 17-21, 1974.

0092

SOMERS, H. L. Observations on standards and guidelines concerning thesaurus construction. Int. Classif., 8(2):69-74, 1981.

0093

UNISIST. Diretrizes para a elaboração e desenvolvimento de thesauri monolíngues destinados a recuperação de informações. Trad. de A.A.B. de Lemos. Brasília, Universidade de Brasília, Departamento de Biblioteconomia, 1974. 37p.

0094

UNISIST. Guia para la recreación y desarrollo de thesaurus multilingües, técnico y científicos destinados a la recuperación de datos. Rev. CINTEFOR, (32):3-17, jan./abr. 1974.

0095

UNISIST. Guidelines for the establishment and development of monolingual thesauri. Paris, Unesco, 1973. 37 p. (SC/WS/555, Paris, September. 1973)

0096

UNISIST. Guidelines for the establishment and development of monolingual thesauri for information retrieval. Paris, Unesco, 1971. 30 p. (SC/WS/500, Paris, 22 December 1971).

0097

UNISIST. Guidelines for the establishment and development of multilingual thesauri. Paris, 1976. 49 p. (SC/WS/102).

0098

UNISIST. Guidelines for the establishment and development of multilingual thesauri: revised text. Paris, 1980. 85 p.

0099

UNISIST. Normas para elaboração de thesaurus. Trad. de A. A. B. de Lemos. Brasília, Universidade de Brasília, Departamento de Biblioteconomia, 1975. 33 p.

0100

UNISIST; Principes directeurs pour l'établissement et le développement des thesaurus multilingües. Texte revise. Paris, Unesco, 1980. 88 p.



## CONSTRUÇÃO E USO

### CONSTRUCTION AND USE

0101

ABE, Koji. (On some problems of thesauri.) Libr. Inf. Sci., 14:71-94, 1976. Em japonês.

The problems of thesauri for document retrieval have been discussed many times, and guidelines for the establishment of thesauri have already been published by Unesco and ISO. The guidelines are not full enough in the areas concerning the purpose and criteria for preferential cross-referencing between the descriptor and the non-descriptor, and for hierarchical and associative cross-referencing between descriptors. This insufficiency is due to a lack of consideration of which documents are necessary to answer a request. In these guidelines only synonymous, generic and part-whole relations between terms are mentioned as bases for preferential and hierarchical cross-references. In spite of the lack of clear description of this viewpoint in the guidelines, various existing thesauri already make cross references between terms on the basis of relations between documents. Reviewing the above-mentioned guidelines as well as examples in existing thesauri in terms of definition, selection of descriptors, cross references between terms, special procedures for generic terms, and methods of compiling thesauri, the author discusses specific problems and suggests some solutions.

0102

AITCHISON, Jean. Integration of thesauri in the social sciences. Int. Classification, 8(2):75-85, 1981.

Paper presented at the CONTA Conference, Bielefeld, 24-27 May 81. Discusses the objectives and compilation of the proposed Integrated Thesaurus of the Social Sciences, which is intended to act as a master reference tool, as an aid in searching across data bases, or a switching mechanism. The 1st step in compilation should be the merging of terms to form a Descriptor Bank. To compare the merged terms at the concept level, analysis in sub-fields is proposed within a classification fra-

mework, preferably 1 with a faceted structure, such as the 2nd edition of the Bliss Bibliographic Classification. The classification would serve as the master against which the terms from the merged information languages, arranged in a compatibility matrix, would be compared. The master classification would be modified during interaction with the matrix terms, and emerge as the Integrated Thesaurus in a format similar to that of the BSI ROOT Thesaurus, having a detailed classified display and full alphabetical section. Provides an example worked out in the sub-field of Unemployment using terms from 5 thesauri and the UDC. Also considers multilingual implications, testing and updating.

0103

AITCHISON, Jean & GELCHRIST, Alan. Manual para construção de tesouros. Trad. Helena Braga. Rio de Janeiro, BNG/Brasilart, 1979. 142 p.

0104

AITCHISON, Jean & GILCHRIST, Alan. Thesaurus construction; a practical manual. London, ASLIB, c1972. 95p.

0105

ANTOPOL'SKII, A. B. & RUDYKINA, N. G. Opiyt sravnitel' nogo issledovaniya otechestvennykh informatsionnoy koviyykh tezaurusov. (Experience of comparative research into Soviet information retrieval thesauri). Nauchnye i Tekhnicheskie Biblioteki SSSR, 12:3-11, 1977.

Existing Soviet thesauri are reviewed in the light of constructing a complex of compatible retrieval languages for the State Automated System of Scientific and Technical Information. The thesauri are distinguished by: (1) width of thematic coverage; (2) degree of systematic construction; (3) closeness to natural language; (4) form of presentation; (5) translatable natural languages. Research parameters include methodical principles of construction, structure, semantic relationship, practicability, quantitative characteristics and conformity to standards. To use the work already done, a collection of these thesauri must be made,



and an information service based on them as a working model of an automated system of index languages.

0106

ARIES, P. Preparation of a thesaurus for tropical and sub-tropical agriculture. Final report. Paris, Centre National de la Recherche Scientifique, 1973. 131 p. Em français.

El tesauo es común a nueve organizaciones francesas en agronomía tropical. Cubre el área de suelos, agrotecnología, irrigación, drenaje, fertilizantes, biología, genética, zootecnia. Describe la metodología usada. Contiene apéndices.

0107

ARMSTRONG, C. M. & PIPER, J. R. The structuring of an associative empirical thesaurus of English. Siglash Newsletter, 8(2-3):1-7, 1975.

Description of a method for the construction of a structured thesaurus of English based on empirically measured associative links between words. For each of the 35000 English words and phrases an environment of related words can be obtained; for the 8400 stimulus words this environment is fairly large. This environment may also be clustered. Due to the network structure of the data, any word occurring in a component of an environment has its own environment structure: one can thus search in the network to an unlimited extent.

0108

ARNAUDOV, D. D. & YANEV, N. N. Techniques for organization and control of the thesaurus of the JINR retrieval system. Dubna, USSR, Joint Institute for Nuclear Research, 1975. 17p. Em russo.

0109

ASIS, M. Símbolos universales para su empleo en tesauros. R. Española Doc. Cient., 2(1):39-47, 1979.

0110

ASSOCIATION FRANÇAISE DE NORMALISATION. Problèmes de langue dans les thésaurus multilingues. La Banque des Mots, 9:99-108, 1975.

0111

AVIDON, V. V. & MIKHAILOVSKII, E. M. Spetsializirovannyi informatsionno-poiskovyi tezaurus po biologicheskoi aktivnosti khimicheskikh soedinenii. (Specialized information retrieval trthesaurus on the biological activity of chemical compounds). Nauch.-Tekh. Inf., Series 2,11:5-12, 1975.

A specialized thesaurus has been devised: (1) to co-ordinate all aspects of indexing chemical compounds according to their biological effects; (2) to translate any term related to the biological activity of chemical compounds into descriptors for the input of the retrieval system, to construct information requests and predict the possibility of biological activity of new compounds; (3) to serve as a basis for the elaboration of a biological code through which the system's input and stored information on biological activity would be coded. The criterion taken was the effect of the compounds on cells, tissues, organs, systems of macro-organisms, microorganisms and plants. Describes the stages of thesaurus construction-determining the subject content, formulating the initial keyword file, construction of entries, modification, and quantitative evaluation. Details are given of the widely branching system of hierarchical relations among descriptors.

0112

AVRAMESCU, Aurel. Objective design of vocabularies and thesauri. Probleme de Informare si Documentare, 11(4):119-36, July/Aug. 1977. Em romeno e inglês.

In order to introduce quantified methods in elaborating compact information languages starting from probabilistic concepts, the author obtains useful interrelations between the main numerable parameters of any information retrieval system based on coordinate indexing, combining the number of documents accumulated and to be obtained on query, the number of descriptors in vocabulary at indexing and in query, the mean and lowest descriptor frequency, the indexing depth, etc. New characteristic indicators are deduced for objective evaluation of vo-



cabularies, including the association factor of descriptors, the system selectivity, the reduction factor depending on the number of matches. Simple relations between all these parameters allow to easily find the influence of every factor on the output efficiency of the whole system. To make computation easier two nomograms are presented, which prove to be very useful for the quantified design and testing of information systems based on specific vocabularies and thesauri.

0113

BACHRACH, C. A. & CHAREN, T. Selection of MEDLINE contents, the development of its thesaurus, and the indexing process. Medical Informatics, 3(3):237- 54, 1978.

0114

BANDUR, G. & WICK, P. Wege zur Verbesserung der informationstätigkeit in der geschichtswissenschaft. (Improving information activities in the science of history). Informatik, 24(1):13- 5, 1977. Em alemao.

Description of the structure of a thesaurus for the concepts in the science of history.

0115

BARRAUD, A. & GROZEL, G. Elaboration d'un thesaurus dans le cadre de la mise en place d'un réseau sectoriel de traitement de la documentation. Un exemple: Le thesaurus AGRIDOC. In: CONGRESSO MUNDIAL DA ASSOCIAÇÃO INTERNACIONAL DE BIBLIOTECÁRIOS E DOCUMENTALISTAS AGRÍCOLAS, 5., Mexico, 1975. Proceedings. Edited by Pablo Velásquez and Ramón Nadurille. Mexico City, Instituto Nacional de Investigaciones Agrícolas, 1978. p. 441-52.

Describes the development of a thesaurus for agricultural sciences by the Réseau National de Documentation Agricole (AGRIDOC). The final thesaurus will be obtained by merging and harmonising the different subject thesauri compiled by members of the network.

0116

BASOVA, I. M. Terminological control in the field of informatics; a case study of four years of working, experience with 'Informatika' reference information system. In: FID. Comitê sobre Terminologia em Informação e Documentação. Moscow, 1975. Proceedings. Moscow, All-Union Institute of Scientific and Technical Information, 1976. p. 114- 17. Em inglês.

Since 1971, a reference information system, named 'Informatika' (Informatics), has been operational at VINITI. Describes experience with a documentary descriptor information retrieval system which is one of its basic subsystems. Discusses components of the system- the information retrieval thesaurus for informatics, descriptor dictionary, indexing manual, and particularly the input dictionary, which is used for input of documents and requests. This dictionary, which is continually updated, is used after content analysis to convert the terms into the language of the controlled vocabulary, and aids the storing up of new terms as likely candidates to become descriptors. Once a term reaches a predetermined threshold of frequency, it is entered into the descriptor dictionary and thence into the thesaurus. Draws various conclusions about the compilation and operation of such a system.

0117

BAUER, Gerd. Bemerkungen zu einer methode der anwendung thesaurusartiger schaubilder des begriffsfeldes von problemzustanden- ein beitrage zur rationalisierung und intensivierung der forschung. (Observations on a method of applying thesaurus - like diagrams to the conceptual area of problem conditions - a contribution to the rationalisation and intensification of research). Informatik, 24 (4):25-31, 1977.

Describes the principles and work stages of applying thesaurus-like diagrams to conceptual areas of problem conditions, with definitions of the initial and intermediate stages and solution of a problem. The thesaurus-like diagrams can be used as an inde-



xing framework or as a special thesaurus for the problem. This method leads to an increase in depth of information, makes possible a clear ordering of statements and queries, produces better definitions of problem aspects and makes possible the synthesis of new aspects, stimulates associative thought and creativity, acts as an enlarged associative memory for the researcher, can be easily expressed in algorithmic terms and contributes to the optimisation of collective research.

0118

BAUER, Gerd. Rationalisierung der wissenschaftsprognose durch anwendung von thesauren und thesaurusartigen hilfsmitteln. (Rationalisation of scientific forecasting by the use of thesauri and thesaurus-like aids). Informatik, 26(1):29-33, 1979.

Most known methods of scientific forecasting are not sufficiently adapted to characteristics and trends in scientific development to yield satisfactory results. In particular the effect of semantic components on thought processes and psychological aspects of cognitive information work is hardly taken into account. There is a lack of methodical aids for facilitating the selection and classification of relevant forecasting information, especially for supporting creative activity during prognosis. A graphic method is suggested for analysis of important changes in scientific research and of forecasting terminology during information processing. Changes made to a thesaurus can be used simultaneously for forecasting, a quicker way of providing topical information than retrospective searching. The method is especially suitable for cooperative forecasting in interdisciplinary fields and assists all creative activity during forecasting.

0119

BECK, Joanna Tomasiak-. Problem ekwiwalentów terminów w tezasurach wielojęzycznych. (Problems of term equivalences in multilingual thesauri). Akt. Probl. Inf. Dokum., 22(5):21-4, 1977.

In developing multilingual thesauri,

the main problem is the choice of equivalent terms in different languages. Discusses 3 types of term equivalence: total, partial and zero. Identifies difficulties found in establishing term equivalences, noting the need to overcome the problem of polysemy, homonyms and synonyms.

0120

BERKOVICH, Simon Ya. & SHNEIDERMAN. Lexical problems in large distributed information systems. Inf. Process. Manage., 16(6):259-67, 1980.

Lexical problems are created by the need to handle many names and their interrelations. Data dictionaries do not solve the problem, being concerned with data base schema design rather than execution of operations. Introduces a lexical subsystem, a separate component in an information system architecture to deal with linguistic and control functions concerning lexical problems in local and network environments. The subsystem is an efficiently organised program package which acts as a 'linguistic filter' for lexically incorrect queries, promotes integration of data bases and information retrieval systems and facilitates creation of local information systems.

0121

BLAGDEN, John. Structured thesauri. Aslib Proceedings, 23(3):139-43, Mar. 1971.

0122

BLANKEN, R. R. Use of thesauri in medical document retrieval systems. Informatie, 17(1):15-20, 1975.

Discussion of the structures of the MeSH thesaurus and the MALIMET (Master List of Medical Terms) of Excerpta Medica.

0123

BLANDEN, R. R. & STERN, B. T. Structuring the Excerpta Medica thesaurus via a polyhierarchical decimal classification. In: EURIM II. European Conference on the Application of Research in Information Services and Libraries. Amsterdam, 1976. Proceedings. London, Aslib, 1977. p. 148-50.



Excerpta Medica maintains a thesaurus, MALIMET, and a polyhierarchical classification; each is used independently of the other. Because the thesaurus has no hierarchical structure many specific terms must be used in an 'OR' relationship when searching for broad concepts. 2 alternatives for overcoming this problem are considered: (1) adding hierarchical structure to the thesaurus-but this would involve considerable effort and increase the size and complexity of the thesaurus; (2) automatic generic posting, which would prove too costly in computer time. Instead, it has been decided to link terms in the thesaurus to one or more subcategories of the classification so that classification codes are automatically added to a record on the basis of the index terms selected. Considers the problems of linking frequently used MALIMET terms to particular classification subcategories.

0124

BLANKENSTEIN, G. Objectives and experiences in preparing a thesaurus on "Food and nutrition of man". Tagungs. Deut. Akad. Landwirt., Berlin, 105:97-106, 1970. Em alemão.

Da directrices para la construcción de tesauros. Señala que la lista alfabética debería contener toda la información esencial y que debería haber una lista de descriptores claramente arreglada y reglas para indizar contenidos complejos de materias.

0125

BOGO-TUMMELEER, N. Problematiek rondom de opbouw en de concrete toepassing van een thesaurus der niet-technische aspecten van het bouwbedrijf (Problems confronted in the preparation, composition and concrete application of a thesaurus of the non-technical aspects of construction). Bibliotheekgids, 55:66-85, Jan./June 1979.

0126

BOHL, M. J. Revision of a thesaurus; studying the semantic problems posed by revising arrow diagrams examining keywords used over two years, their reinsertion or rejection, after consulting the microfiches indexed by them. Paris, Mém. INTD, 2nd cycle, 1972. Em francês.

Describe el tesoro de la Caisse Nationale de Crédit Agricole, su construcción y uso. Estudia las varias etapas de su revisión y evalúa la metodología usada. Da una crítica a priori del tesoro revisado y examina las modalidades de preparación de una futura edición.

0127

BOOTH, Barbara. VIP manual: guidelines and procedures for ERIC vocabulary improvement. Washington, Educational Resources Information Center, 1978. 104 p.

This manual was developed for use by ERIC personnel involved in the 2 1/2 year Vocabulary Improvement Project (VIP) which culminated in the publication of the 1980 completely revised edition of the Thesaurus of ERIC Descriptors. Based on the idea that indexing is not about description of documents but about retrieval, it applies criteria derived from the capabilities of manual and on-line retrieval to examples of thesaural problems. Project procedures and principles for vocabulary improvement are presented in the first 2 sections, by detailed discussions of the functions and treatment of main terms, scope notes, and use/use for references.

0128

BRENDLER, G. Problems in the building of a bilingual (German-Russian) thesaurus. Dokumentation/Information. Schriftenr. d. Inst. Inform. wiss., Erfindungsw. u. Recht TH Ilmenau, 24:57-72, 1974. Em alemão.



0129

BUCH, E et alii. Syntaktische und semantische Funktionen als Grundlage für die Thesauruserstellung und-nutzung. (Syntactic and semantic functions as basis for the structure and use of thesauri). Nachr für Dok., 27 (6):197-204, Dec., 1976. Em alemão.

A project for compilation of a thesaurus on the building of schools was carried out in the Institut für Schulbau at Stuttgart University. An artificial language was constructed, based on the natural language on the subject but syntactically independent of it. A descriptor is an element of artificial language. All compounds were analysed into basic terms as far as possible and simple descriptors found for them. Complex descriptors, expressions of artificial language formed from simple descriptors with the aid of special syntactical links, were also used; the 3 kinds of complex descriptors-modifier head constructions, clusters and explanations-are described in detail, together with additional data for inclusion where insufficient bibliographic description occurs. Document content is divided into different themes. Thematic description can be divided into subject, aspect and mode, which are also described in detail.

0130

BUREAU MARCEL VAN DIJK. Définition des caractéristiques des thesauri. Rapport final de l'étude conduite par G. Van Slype, pour la Commission des Communautés Européennes. Bruxelles, 1976. 2 v.

0131

BUSCH, J. Method for evaluating the multiple relations between subject descriptors-related terms in the Thesaurus of engineering and scientific terms; a pilot study. In: AMERICAN SOCIETY FOR INFORMATION SCIENCE. Annual Meeting. 41. New York, NY., 1978. Information age in perspective: proceedings. Washington, D.C., ASIS, 1978.

Discusses the development of thesauri of subject descriptors for information retrieval, proposing that more

emphasis should be placed on creating thesauri with terms derived from searchers' experience rather than arbitrarily determined by specialist indexers. Describes an experiment set up to compare groups of terms designated as related terms in the Thesaurus of Engineering and Scientific Terms (TEST) with groups of terms created by prospective searchers, in order to suggest a procedure for creating psychological association maps of thesaurus users. Gives the methodology of the experiment and the techniques used to analyse the results, which are tabulated.

0132

BYRAMJEE, R. & MONTOUCHET, M. Thesaurus of morpho-structural entities and oil fields of the world. Rev. Inst. Franç. Pétrole, 31(4):579-612, 1976. Em francês.

The Thesaurus has been compiled for the purpose of a harmonisation of nomenclatures and the use of proper names for administrative, geomorphological and structural entities. Examples from the section of "Canada" are used to explain both the structure and the purpose of the work described in the paper.

0133

CAPONIO, J. F. Practical aspects concerning the development and use of ASTIA's thesaurus in information retrieval. Journal of Chemical Documentation, 4(1):5-8, Jan. 1964.

0134

CAVALCANTI, Cordelia R. Indexação & tesouro; metodologia & técnicas. Brasília, ABDF, 1978. 89 p.

General concepts and definitions in the field of indexing languages and thesauri. First steps toward the construction of thesauri. Methodological aspects of abstracting and indexing. How to analyze a text to identify ideas and concepts.

0135

CERNY, B. A. Development of a political service thesaurus. Berkeley, California University, Laurence Berkeley Laboratory, 1980. 59 p. (NTIS report. LBL - 11034).



The procedures used in developing a political science thesaurus for use by the US DOE Technical Information Center and the Executive Office of the President Information Center are described. The classification scheme for terms in the political science thesaurus is given in an appendix, but only a 1 page sample of the thesaurus itself is shown.

0136

CHANDRAN, D. Candidate terms for a thesaurus: a case study of sources of terms in the field of library and information science. In: SEMINAR on Thesaurus in Information Systems, Bangalore, 1-5 dezembro 1975. p. A 51-A 61.

0137

CHEPKASOV, A. INIS: thesaurus maintenance system. Wien, International Atomic Energy Agency, 1977. 151 p.

Description of the design and the operation of the INIS Thesaurus Maintenance system with full program listed as appendices.

0138

CLADES. Usos de descriptores y tesauros. Santiago de Chile, 1971. 90 p.

0139

COELHO, Gilda Massari et alii. Elaboração de um "thesaurus" experimental para o setor siderúrgico. In: CONFERÊNCIA BRASILEIRA DE CLASSIFICAÇÃO BIBLIOGRÁFICA. Rio de Janeiro, 1976. Anais. Rio de Janeiro, IBICT, 1979. v.1, p. 382-93.

0140

COLBACH, R. Thesaurus structure and generic posting. In: CONGRESSO BRASILEIRO DE BIBLIOTECONOMIA E DOCUMENTAÇÃO, 8., Brasília, 1975. 13 f.

0141

CRAWFORD, Robert G. Dynamic dictionary updating. Inf. Proc. Manage., 13 (4):235-45, 1977.

A method for updating the dictionary in a dynamic information retrieval system is presented. It is shown that as a collection changes through addition and deletion of documents, the appropriate set of index terms may be determined without complete periodic re-

generation of the dictionary. Results are presented for experiments involving a complete change in collection membership, with the dynamic dictionary updating methods shown to be effective.

0142

CZERWOSZ, Magdalena. Z doświadczeń budowy specjalistycznego tezaurya wiertniczego. (On some experience from specialist drilling thesaurus construction). Akt. Prob. Inf. Dokum., 24(3):35-7, 1979.

Describes experience acquired by the workers of the Information Centre at the Research and Development Centre for Geological Technology. Discusses organisation of work in the editing team, collection of key words, types of documents scanned for key words and division of vocabulary as well as defining descriptors and their mutual relations.

0143

DAHLBERG, Ingetraut. A general thesaurus for the German Library; pilot study. Frankfurt am Main, Deutsche Bibliothek, 1980. 74 p.

The kind and form of the terms used by the Deutsche Bibliothek (DB) were analysed for subject description and tested for their suitability as elements of a general library thesaurus.

0144

DAVID, A. Etablissement d'un thesaurus monolingue sur la pollution atmosphérique; rapport final. Paris, Centre Interprof. Tech. Etud. Pollut. Atmos., 1974. 187 p.

Description of methods used, conditions and planning of work, costs and detailed description of the specific thesaurus parts.

0145

DAVIDSON, R. M. IEA (International Energy Agency) coal data base - the development of the coal thesaurus and indexing strategy. Aslib Proc., 31(10):452-59, Oct. 1979.

Paper presented at an Aslib Informatics Group Meeting, London, 12 Mar. 79. The subject coverage of the Coal



Database is large and represents an amalgam of the interests of member countries. The International Energy Agency Technical Information Service feels duty bound to ensure that the database records can be put to the best possible use with minimum effort. Most of the literature is in English but 8 out of 12 user countries do not use English as a 1st language, so to make searching as easy as possible a controlled language is used.

0146

DELAUNAY, J. & MOUREAU, M. Principes et développement d'un thesaurus: exemple d'application: le thesaurus Petrole. Bulletin des Bibliothèques de France, 1:5-29, Janv. 1973.

0147

DELBOS, L. Establishment and publication of a multilingual thesaurus for the earth sciences. Paris, CNRS, 1975. 15 p. Em francês.

This thesaurus is meant to become the basis for an international information system is envisaged for the following five languages: German, English, Spanish, French and Russian. From the Glossary of Geology each national representative makes a choice and the translation of the essential terms. Hierarchies and relations are established at a later time. The different national lists have been compared and discussed.

0148

DELBOS, L. International union of geological sciences committee on Geological Documentation. In: Proceedings of the full board meetings, June 1975, Brussels, Belgium Paris, International Council of Scientific Unions Abstracting Board, 1975. p. 23-4.

Describes the activities of a special Working Group engaged in the compilation of a multilingual thesaurus for the earth sciences.

0149

DEWEZE, André. La réalisation d'un thesaurus: compatibilité avec des systèmes étrangers dans le cadre du réseau ELDOD. In: COMMUNICATIONS au 1. Congrès National Français sur l'Information et la Documentation, Paris, 4-6 décembre 1974. Paris, Centre de Documentation du C.N. R.S., 1974. p. 335-43. (Communication n. 32).

0150

D'HAENENS, L. & LORPHEVRE, D. Report on the editorial work concerning a "thesaurified" index in the UDC. Bruxelles, Mundaneum, 1974. 95 p.

For the classes UDC 330/330.13 (used as an example) a thesaurus-like index was created. The experiences made led to 7 conclusions, some of them having also implications for the future construction of schemes. The report has the following annexes: 1. Official French version of UDC 330/330.13; 2. Revision of the official text of 330 till 330.13; 3. Alphabetical index of annex 2 in the form of a thesaurus; 4. Hierarchical index of the contents of annex 3.

0151

DIKAREVA, S. S. & MICHAJLOVA, N. G. Symposium on descriptor thesauri. Nauc.-tech. inform. Ser. 2., 7:14, 1977. Em russo.

Short report on an inter-university symposium on "Problems of Scientific-Technical lexicography and Descriptor Thesauri for Information Retrieval Systems", sponsored by the A. A. Zdanov University of Leningrad, 25-26 Jan. 1977. The topics of the lectures are mentioned.

0152

DODEBEI, Vera Lucia D. L. de M. Construção de thesauri. experimento empirico para a coleta de termos em formação profissional. Rio de Janeiro, s. ed., 1979. 127 f.



0153

DOVBENKO, M. A. & UMANSKI, A. N. A comparative analysis of information retrieval thesauri and normalized scientific and technical terminologies with the aim of their coordinated development. Int. Forum Inf. Docum., 5(4):9-11, Oct. 1980.

Analyses the specifics and results of the lexical processing of scientific and technical texts for the compilation of thesauri for information retrieval activities and for the unification of terminology. Identifies methods for representing the meanings of terms in thesauri and terminological systems. Proposes procedures for the correlation of thesauri construction and maintenance with terminological work, and the simultaneous solution of the problems of the 2 disciplines.

0154

EICHHORN, Mary M. & REINECKE, Robert D. Development and implementation of a thesaurus for the visual sciences. Bull. Med. Libr. Ass., 58(1):23-9, Jan. 1970.

0155

ELLMANN, Dietrich. Stav a výsledky práce s tezaury v soustavě VTI NDR. (The present state and the results of work with thesauri in the scientific and technical information system in the German Democratic Republic). Ceskoslovenská Informatika, 18(7-8):193-95, 1976.

A thesaurus in the German language has been constructed for all branches of industry in East Germany as well as for the most important disciplines in the natural sciences. 70 scientific and technical thesauri were included on the list compiled by the ZIID in early 1975. Thesauri for specialised information system should be constructed from existing ones. Compatibility of languages is the first task facing the International Scientific and Technical Information System of Eastern Europe. The importance of multilingual thesauri is clear in this context. Work on such thesauri is only just beginning in East Germany. The 2 completed multilingual thesauri are those for the international information system in

the fields of building and diesel engines. Russian-German and German-Russian are the basic versions. The specialists from each country concerned participate in the construction of multilingual thesauri, i.e, the work does not involve a mere translation of descriptors from one language to another. Some conditions of further work on the sauri at national and international levels are stated.

0156

FEINBERG, Hilda. Mini-thesauri. New York, Pratt Institute, Graduate School of Library and Information Science, 1980. 190 p.

The first of these books sets out to show those concerned with data retrieval how to construct a thesaurus for personal use; the principles when mastered would be applicable in any subject. Indexers working in a particular field would have their own controls of language, referencing systems for the basic tasks of filing and alphabetization, and help in maintaining consistency in the face of very diverse sources. The book also offers examples of these principles practically applied, and how to update thesauri after initial construction. There is too, a useful chapter on how computers can help. Bibliographies and appendixes on British and International Standards, package programs and samples make the coverage of the subject very comprehensive. There is a useful explanatory glossary and an index. Alas, the index itself is very weak; neither alphabetization nor filing for instance have entries (though 'word by word sequence' and 'letter by letter sequence' both do), descriptors has a subheading 'numbers as, 26' but integers has 'numbering descriptors, 36'.

Examples of thesauri which have been devised are found in the second publication. Mini-thesauri for subjects as diverse as opera and computers, Buddhism and business, law and astronomy are set out with a brief but useful general introduction and short bibliography.

For a practitioner in any of the fields which are illustrated in the second book it would be directly use-



ful; for anyone trying to devise a thesaurus for personal use it might also be helpful in so far as it reveals several different approaches as practically applied. Taken together the two books provide usefull and pratical help for today's workers in data retrieval, faced as they are with the terminological explosion, or grappling with the contemporary manifestations of pseudo-scientific gobbledegook.

0157

FIELD, B.J. A Thesaurus-based indexing and classification system developed for INSPEC products and services. Journal of Documentation, 30(1):1-17, Mar. 1974.

The development of the INSPEC vocabulary system which comprises a unified indexing and classification scheme is described together with the reasons for its adoption. The vocabulary system uses a hierarchical classification and a vocabulary development file with thesaurus structure which is linked to the classification. This file has been designed and is used as a controlled-language thesaurus and as a free-language aid in the formulation of search profiles.

0158

FILLIATRE, Bernard. Utilisation d'un thésaurus de liaisons analogiques entre concepts dans un système documentaire. Information Processing and Management, 11: 107- 13, 1975.

0159

FITZGERALD, S. M. D. Names of living organisms in a thesaurus on animal health and hygiene. Aslib proc., 33(4):160- 64, Apr. 1981.

Le système de classification du Ministère de l'Agriculture qui documente le Service vétérinaire national ne permet pas une indexation très fine. C'est la raison pour laquelle il a été décidé d'élaborer un thésaurus de 10000 termes. L'article rend compte des étapes et des difficultés rencontrées lors de l'élaboration de ce thésaurus.

0160

FOSKETT, Douglas John. A study of the role of categories in a thesaurus for educational documentation. Strasbourg Council of Europe, 1973. 38p.

0161

FOSTER, W. R. et alii. The coordinated development of health - related clearinghouse vocabularies: a proposed technique. In: AMERICAN SOCIETY FOR INFORMATION SCIENCE. Annual Meeting, 42., Minneapolis, Minn., 1979. Information choices and policies: Proceedings. White Plains, New York, Knowledge Industry Publications for ASIS, 1979. p. 157-67.

Examination of the wide range of existing health-related data bases with some type of controlled vocabulary demonstrates that individualised vocabularies are to be avoided as these confuse users. Health and medical thesauri were examined as well as the index language requirements for cancer and diabetes. MeSH was the chief candidate for a generalised health information vocabulary. A subset of MeSH could be used by each clearinghouse. This would reduce confusion at a low cost and would include uniform quality control procedures whilst encouraging cooperation.

0162

FRANCU, Dusa. Classification and thesauri in structural mechanics: requirements of a modern system of indexing in structural mechanics. In: FOSKETT, D. J. ; REUCK, A. de & COBLANS, H., ed. Library systems and information services. London, C. Lockwood, c1970. p. 78-81.

0163

FREEMAN, Frank H. Building a thesaurus for a diffuse subject area. Special Libraries, 67(4):220- 22, Apr. 1976.

Procedures used and problems faced in constructing a thesaurus for a "softscience", interdisciplinary field are described. Methods that were developed for standardizing terminology, updating, and using the thesaurus will be presented. Suggestions to those considering constructing a thesaurus of



this type will be offered.

0164

GERD, A. S. Assotsiativnye otnosheniya v informatsionnopoiskovom tezauruse i puti ikh vydeleniya. (Association relations in information retrieval thesauri and ways of defining them). Nauch.-Tekhnicheskaya Informatsiya, Ser. 2, 5:14-6, May 1980.

Using the examples of the thesaurus on biology and the one on navigation, steering and stabilization, the problem of defining association relations in thesauri for documentary IRS is considered. Three ways of defining such relations are ascertained: text analysis, handling of encyclopedias and handbooks, and direct contacts with specialists.

0165

GERD, A. S. Eshche raz o strukture tezaurusa po biologii. (More about the structure of a thesaurus on the biology). Nauch.-Techn. Inform., Ser. 2, 10:32-3, 1976.

A basic type of thesaurus in this field is one containing Latin names of families, genera and species. This could be constructed as a dictionary of descriptors of Latin names with directions under each to all Latin synonyms. The main advantage of such a thesaurus is that it is oriented towards an international system of Latin nomenclature and is therefore independent of individual natural languages. On the basis of an analysis of Russian texts on ichthyology, examples are given of thesaurus entries for Latin names as well as for national names; sources of lexical units for a Russian thesaurus are specified. Describes a special type of thesaurus which includes both Latin names and national terms.

0166

GHOSE, A. & DHAWLE, A. S. Problems of thesaurus construction. Am. Soc. Inf. Sci. J., 28(4):211-17, July, 1977.

Revised version of a paper presented at the seminar on Thesaurus in In-

formation Systems, Bangalore, Dec. 75. Analyses the basic assumptions of the different methods of thesaurus construction from the epistemological point of view as well as from the point of view of users' information retrieval needs. The construction of thesauri for the social sciences is particularly difficult because of the inherent ambiguity of terms in this field. It is emphasised that a thesaurus should always be constructed with a class of user in mind. Since the idea of a 'growing thesaurus' is not practical, suggests that an empirical study of the semantic differences among various user groups would form an adequate basis for thesaurus construction in the social sciences.

0167

GHOSE, A. & DHAWLE, A. S. Theoretical foundations of thesaurus construction. In: SEMINAR ON THESAURUS IN INFORMATION SYSTEMS, Bangalore, Dec., 1975. Papers. Bangalore, Documentation Research and Training Center, 1976. p. A9-A12.

0168

GOODMAN, Frederick. The role and function of the Thesaurus in Education. In: EDUCATIONAL RESOURCES INFORMATION CENTER Thesaurus of ERIC descriptors. 5 ed. New York, Macmillan Information, c1974. p. VII-XX.

0169

GOPINATH, M. A. & PRASAD, K. N. Compatibility of the principles for design of thesaurus and classification scheme. Library Science with a Slant to Documentation, 13(2):56-66, June 1976.

0170

GROHMANN, Werner & PROTZ, Armin. Zur Darstellung von Begriffbeziehungen in Thesauren. (The representation of terminological relationships in thesauri). Informatik, 26(3):38-42, 1979.

A new method of representing terminology relationships has been evolved for a new thesaurus on low voltage circuit technology. The theoretical basis and methods for determining ter-



minological relationships are discussed, including positions of descriptors and non-descriptors, syntactic, syntagmatic and extensional relationships. Alphabetic representation alone cannot show all relationships; a systematic arrangement showing polyhierarchical relationships is preferable. In this thesaurus the main section combines systematic and alphabetic representation; this is compared with other methods. Changes in the AIDOS OS/ES program system are needed to implement this form of representation, with electronic support for certain (currently manual) routine and control operations.

0171

GROLL, H. Thesaurus problems: considerations relating to the compilation of a legal thesaurus in German. Intern. J. Law Libr., 2(1): 13 - 9, 1974.

0172

GULL, C. D. et alii. Thesaurus for the National neighborhood information exchange. Final and two interim reports. Kensington, Md., Gull and Assoc. Inc., 1979. 90 p.

The report describes a survey of the sauri and neighborhood development materials used in selecting descriptors. It includes directions for preparation and maintenance on 3 x 5 cards and manual layout for camera ready typewritten page copy. It includes flow chart for the searcher's and indexer's use of thesaurus and development of additional descriptors. The thesaurus, consisting of alphabetic list, category list, and KWIC index, conforms to ANSI Z 39-19-1974, American National Standard Guidelines for Thesaurus Structure, Construction, and Use.

0173

GUPTA, D. K. & TRIPATHI, G. N. Exploration and production of thesaurus: its helpfulness in indexing in a library and information system. In: SEMINAR on Thesaurus in Information Systems, Bangalore, 1-5 dezembro, 1975. Papers. Bangalore, Documentation Research and Training Center, 1976. p. C 40- C 45.

0174

HAPARI, Mehrangiz. Dynamics of a thesaurus: a quantitative approach. Ann Arbor, Michigan, University Microforms International, 1980. 102 p. Tese PhD.

Explores the dynamic property of an information retrieval thesaurus and describes this property through the use of a quantitative method. Establishes a time-dependent model which makes use of a single-link clustering technique and a diversity measure for analysis and demonstration of the trend of changes taking place in a thesaurus over time. The clustering technique is applied to data from 4 editions of the MeSH thesaurus. The same data is used to test an alternative measure of diversity. Results indicate that thesaurus has a dynamic structure, the model used described the structure as a function of time, and there is no substantial difference in the pattern of changes reflected by a diversity measures.

0175

HENZLER, R. G. Free or controlled vocabularies: some statistical user-oriented evaluations of biomedical information systems. Int. Classif. 5(1):21- 6, Mar., 1978.

English version of a paper presented at the 'Deutscher Dokumentartag 1977', Saarbrücken. Based on CANCERNET (a literature information system, formerly called SABIR-C), a quantitative comparison of free text and controlled vocabulary used in indexing and retrieval is given. The advantages of free text search are compared with the convenience of searches using controlled vocabulary. An indexing consistency text of 683 double indexed articles is commented on. The results are evaluated with regard to loss of information from the author to the user. They show the necessity of both free text and controlled vocabulary in an optimum combination.



0176

HINES, T. C. & HARRIS, Jessica L. Columbia University School of Library Service system for thesaurus development and maintenance. Information Storage and Retrieval, 7(1):39-50, 1971.

0177

HOELZL, Joseph. Versuche zur Erstellung eines Warenthesaurus. (Attempts towards the construction of a commodity thesaurus). International Classification, 3(1):23-32, May 1976

Se usaron cuatro clasificaciones empíricas para construir cinco esquemas parciales de tesauo en tres niveles jerárquicos: artículos de consumo en general, alimentos, maquinaria/equipo, alimentos dietéticos, tornos.

0178

HORSNELL, Verina. Intermediate lexicon for information science: a feasibility study. Final report. London, Polytechnic of North London, School of Librarianship, 1974. n.p.

0179

HORSNELL, Verina & MERRETT, Alicia. In termediate lexicon research project, phase 2. London, Polytechnic of North London, School of Librarianship, 1978. n.p.

0180

HORVÁTH, T. & VARGHA, D. Information thesauri. Budapest, Országos Széchényi Könyvtár Könyvtártudományi és módszertani Központ, 1977. 80 p. Em húngaro.

Manual throwing light on the theoretical bases of thesauri and offering practical assistance to those which have to prepare thesauri.

0181

INAUEN, J. Manuelle indexierung. (Manual indexing). Nachr./Now./Notiz., 53(6):292-308, 1977.

Paper presented at a Seminar on the methodology of documentation, held at the federal polytechnics of Zürich and Lausanne, Winter term 1976/77. Cataloguing principles are always dependent on the system available; EDP-supported

literature data banks are dependent upon their hardware and software potential. MIDONAS, the documentation system of the Eidgenössische Militärdepartement (Federal Department of Defence) in Berne is described in detail, its growth since 1970, basic concepts, new retrieval and data management programs, and thesaurus. Indexing systems should be basically simple, since non-specialists may have to use them; genus-species relationships, post-coordination of descriptors, documentation units, depth of documentation and selection of material are discussed. A thesaurus should be capable of development but growth should be controlled; the development of the Federal Military Library's thesaurus is described in detail.

0182

INSTITUT GUSTAVE ROUSSY. CANCERNET (Amélioration de CANCERNET par la traduction en espagnol du thésaurus et l'insertion de la traduction anglaise des titres en langues autres que l'anglais). Paris, MIDIST, 1980. 53 p.

Ce compte rendu présente les documents de travail, utilisés pour la traduction en espagnol du thesaurus, qui définissent les modalités d'écriture et d'insertion des termes espagnols. On donne en annexe l'ensemble du programme de gestion du thésaurus multilingue. On présente aussi les programmes permettant d'obtenir une bande magnétique avec la traduction en anglais des titres allemands.

0183

INSTITUT GUSTAVE ROUSSY. Feasibility study on a macrothesaurus for science and technology. Progress report. Paris, Assoc. des Documentalistes et Bibliothécaires Spécialisés, 1976. Em francès.

0184

JABLONSKI, Stanley. The preconstructed vocabulary: a procrustean bed. Bull. Med. Libr. Assoc. 61(1):21-3, Jan. 1973.



0185

JABRZEMSKA, E. Information on the state of works of the thesauri in the frame of SINTO. Aktual. Inform. Dok. 23(6):16-21, 1978. Em polonès.

Work on thesauri has been in process since 1966. The first Polish thesaurus for 'handy transportation and building equipment' was produced in 1969. Analyses the present state of thesaurus construction based on the thesaurus files of the Institute for Scientific, Technical and Economic Information (IINTE) and their use in information retrieval systems.

0186

JACHOWICZ, J. L. Application of classification as basis for the formulation of thesaurus as exemplified by concept of the Polish thesaurus of hospital science. In: INTERNATIONAL STUDY CONFERENCE ON CLASSIFICATION RESEARCH, 3., Bombay, 1975. Bombay, 1975. 18 p.

0187

JONES, Kevin P. Basic structures for thesaural systems. Aslib Proceedings, 23(11):577-90, Nov. 1971.

0188

JONES, Kevin P. Compound words: a problem in post-coordinate retrieval systems. Journal of American Society of Information Science, 22(4): 242-50, July/Aug. 1971.

0189

JONES, Kevin P. Problems associated with the use of compound words in thesauri, with special reference to BS 57 23:1979. J. Doc., 37(2):53-68, June 1981.

Although many large systems have bypassed the problem by using natural language, compound words remain a difficulty in thesaurus construction. Former attempts to devise rules which attempt to approach the problem via syntax were not altogether satisfactory. Proposes that the major criteria for handling compound words should rest upon their orthography, lexicography and semantics, with special attention to the possible occurrence of homographs (words of a common form but dif-

ferent meanings). Suggestions contained in British Standard 5723-'Guidelines for the establishment and development of monolingual thesauri'-are assessed in relation to these criteria. The standard is criticised for its insufficient attention to mechanised systems' requirements and partial failure in not recording the divergent needs of pre and post-coordinate systems.

0190

JOSHI, P. G. Utilisation of a specific subject thesaurus in computer-based IR systems: a case study. In: SEMINAR in Thesaurus in Information Systems, Bangalore, 1-5 dezembro 1975. Papers. Bangalore, Documentation Research and Training Center, 1976. p. C 25-C 32.

0191

JUTTNER, I. & BAUER, Gerd. Die Anwendung des kategorienorientierten Ordnungsprinzips in interdisziplinären Wissensgebieten und thesauren. (The application of a category-oriented ordering principle in interdisciplinary subject-fields and thesauri). Informatik, 25(5):29-31, 1978.

Nowadays most traditional fields of science are linked with one another. Linguistics, as a social science, is connected with other social and natural sciences, therefore many linguistic problems have to be considered from non-linguistic aspects. Conversely, other scientific fields have to be considered from linguistic aspects. This multi-dimensionality results in large and complex amounts of information, which must be well ordered for easy retrieval. This can be attained through using a multi-dimensional system of categories and derived facets, one such system being described in detail; the use of category oriented systems, more flexible than hierarchic systems, is now standard practice for thesaurus compilation in the German Democratic Republic. Sometimes a combined application of category oriented and hierarchic order can be the best solution.



0192

KABANTSEV, G. G. & KUZNETSOV, G. I.

Ispol'zovanie otraslevogo informatsionno-poiskovogo tezaurusa dlya analiza i sinteza patentnykh dokumentov. (The use of a specialised information retrieval thesaurus for the analysis and synthesis of patent documents). Nauch.-Tekh. Inf., Ser. 2, 12:9-11, 1978.

To improve the information value of invention formulae in patent documents a method is presented of qualitative - quantitative analysis and synthesis of texts using a subject thesaurus. Analyses the initial text of an invention formula on mining technology. The final invention formula, which is more laconic and more general than initial one, is synthesised. Use of the suggested method in the editing of texts of patents and patent applications before their input into an automated information retrieval system increases the system's efficiency.

0193

KAMINSKI, W. Some methods for the organization of a thesaurus based on the technique of "syntactical traces". Prace S.O.P.A.N., (260):1-14, 1976.

0194

KAYSER, K. et alii. Indizierte klar-textanalyse. Meth. Inform. in Medicine, 13(3):179-83, 1974.

Analysis of the errors occurring from a manual coding using the over-cross-technique in relating the diagnoses of the physician to the descriptors of a thesaurus.

0195

KILLIAN, J. et alii. An information retrieval system for New Testament Research. South African Libr., 42(1):7-14, 1974.

Construction of a thesaurus commenced in 1972. New Testament Abstracts is being indexed as well as Internationale Zeitschriftenschau für Bibelwissenschaft und Grenzgebiete.

0196

KIM, Chai. Bases teoricas a tener en cuenta en la compilación de tesauros y algunas consideraciones metodológicas sobre la actualización de los mismos. Cinterfor Documentación, 35:3-23, ene./abr. 1975.

0197

KIM, Chai & KIM, Soon D. Consensus vs frequency: an empirical investigation of the theories for indentifying descriptors in designing retrieval thesauri. Information Processing & Management, 13:253-58, 1977.

0198

KIRTLAND, Monika. Macro and microthesauri: changes occurring in MeSH derived thesauri and a solution to some related search handicaps. J. Am. Soc. Inf. Sci., 32(4):249-52, 1981.

0199

KLEEBOEG, W. Construction and improvement of the thesaurus for agriculture and food products. Information, 6:19-20, 1970. Em alemao.

Describe las fichas que constituyen la sección alfabética del tesoro parcial y las referencias cruzadas para la clasificación sistemática de términos.

0200

KNAPP, Viktor. Alcuni problemi relativi alla costruzione di un thesaurus giuridico. Inform. e diritto, 5(1):175-97, 1979.

The author points to the salient characteristics of the lawyers language as a part of the natural language, which distinguishes it from an indexing language, i. e. an artificial language even if it is based on natural language. Most of pitfalls in handling natural language documents stem from the phenomena of polysemy, synonymy and homonymy, although the lawyers' language is characterised by a more precise and unambiguous use of terms. An experience in construction of a legal thesaurus in Czechoslovakia is reported. The main descriptors are grouped under



subject headings and followed by concepts which are logically associated with the main descriptor; a total of six kinds of association have been identified. The thesaurus embraces all the fields of law and is designed for processing not only Czechoslovak but also foreign legal documents prior to input into a computer-based information system.

#### 0201

KOBRIN, R. Yu. O printsipakh terminologicheskoi raboti pri sozdanii tezaurusov dlya informatsionno-poiskovikh sistem. (On the principles of terminology and thesaurus construction for information retrieval systems). Nauch.-Tekh. Inf., Ser. 2, 6:1-9, June 1979.

Principles of the construction of thesaurus glossaries are considered and the concept of 'model term', a grammatical term structure, showing the disposition and grammatical category of words and their relationships, is introduced. Models of grammatical structures are subdivided into 2 classes: models of language terms and models of speech terms. The class of grammatical language model terms is determined by the structure and norms of the language, not by extra-linguistic factors. It should therefore apply for terminology systems in any branch of science and technology.

#### 0202

KULIK, A. N. & FEONOVA, L. V. Analysis of user work list in an information network and standardizing them using a base thesaurus. Autom. Doc. & Math. Linguistics, 8(4):50-9, 1974.

Discussion of the principles for standardizing users' word lists with a base thesaurus, using the Thesaurus of Scientific and Technical Terms, Moscow 1972. Word lists of the seven most typical users of the information system have been used.

#### 0203

KUZMINSKI, D. The Polish medical thesaurus. Aktual. Probl. Inform. i Dok., 20(3):38-41, 1975. Em polonés.

The separate stages and directions of elaborating this thesaurus are presented.

#### 0204

LANDAU, Herbert B. & BYER, Wendy L. Production of a hierarchical chemical thesaurus. Journal of Chemical Information and Computer Sciences, 16(3):141-46, 1976.

#### 0205

LAUREILHE, Marie-Thérèse. Le thésaurus: son rôle, sa structure, son élaboration. 2. ed. Villeurbanne, Presses ENSB, 1981. 88 p.

Le thésaurus, outil fondamental en documentation surtout avec l'actuel développement des grandes banques internationales de données est présenté à partir des opérations clés nécessaires pour retrouver l'information: indexation des documents, recherche de ces documents. Plusieurs définitions du terme sont données selon sa fonction et sa structure. La structure du thesaurus est exposée, ses différentes parties: liste alphabétique structurée, liste de la hiérarchie, table alphabétique des descripteurs, listes particulières, index permuté. On différencie les types de thésaurus du point de vue de la structure (thésaurus structure, à représentation graphique, thésaurofacettes), du point de vue de la fonction (macro et micro-thésaurus, sectoriel, mono et multilingue, thématique). Les travaux sur la question: recensements, bibliographies, normes. Les méthodes d'élaboration de thésaurus sont évoquées: méthode analytique ou déductive, méthode synthétique ou inductive ainsi que des procédés permettant l'amélioration: apport de précision, simplification de la présentation. Dans le dernier chapitre test du thésaurus, maintenance, évaluation du temps de confection. Méthode d'utilisation niveau indexation et niveau recherche.

#### 0206

LEATHERDALE, Donald & GALRÃO, Maria José. La construcción de vocabularios controlados. Rev. AIBDA, 1(1):1-16, Jan.-June 1980.

An account of the procedure for cons



tructing a thesaurus, by 2 of the specialists concerned in the FAO/EEC Multilingual Agricultural Macrothesaurus (AGROVOC) project. The authors discuss: (1) preliminary studies, concerning scope and terminology; and (2) construction: relations between terms, scope notes, standardisation of terminology, and final presentation.

0207

LEMESLE, Marie-Louise. Mise au point d'un thésaurus trilingue et application pratique. In: CONGRÈS NATIONAL FRANÇAIS SUR L'INFORMATION ET LA DOCUMENTATION, 1., Paris, dec. 1974. Communication. Paris, CNRS, 1974. p. 275-88.

0208

LESKA, M. AIUS-SM-CMEA: international thesaurus for standardization and metrology. Normalizacja, 44(5): 38-40, 1976. Em polones.

Description of the work on the thesaurus which is to be carried out in three stages: the elaboration of a methodology for international thesaurus construction, the analysis of terms that have been collected and the presentation of the terms in the accepted form.

0209

LESKA, M. The connections between systems of concepts and thesauri. In: THEORETICAL and methodological problems of terminology; proceedings of an International Symposium, Moscow, 1979-11-27/30. München, Saur; c1981, p. 583-90.

0210

LESKI, K. Some problems concerning the development of thesauri. Aktual. Probl. Inform. Dokument. 21(1):31-3, 1976. Em polones.

Among the factors affecting the selective power of descriptors are: (1) the continuing growth in the size of collections; (2) increasing specialisation in subjects and their vocabulary; (3) the integration of the sciences. A suggestion is made for the use of compound descriptors. The relations between these would be clearly differentiated, leading to improvements in the characterisation of documents and requests and lower noise factor in

retrieval.

0211

LESKI, K. Use of compound descriptors in thesauri. Aktual. probl. inform. in dok., 21(1):31-3, 1976. Em polones.

Suggestion to use compound descriptors in search specifications and document search patterns in order to reduce information noise.

0212

LINEBAUGH, R. M. Thesaurus for EDU Diving Information Center (DIC); summary report, April-June 1974. Washington, Navy Department. Supervisor of Diving, 1974. 77p.

0213

LITOUKHIN, J. Toward an integrated thesaurus of the social sciences. Int. Classif., 7(2):56-9, July 1980.

Introductory remarks concerning papers and deliberations of a meeting of the Unesco Division for the International Development of the Social Sciences, Paris, 9-11 June 80, intended to pave the way toward an Integrated Thesaurus of the Social Sciences. Developmental steps toward clarification of SS terminology had been undertaken at Unesco in 1952. Since then dictionary projects and attempts at concept identification have been undertaken, but the non-existence of an overall classification system of the SS identifying its scope and interrelationships has hampered the terminology work considerably. Proposals for valid methods were sought so that in 1981-83 a macrothesaurus/classification system for the SS could be worked out possibly based on an integration of existing thesauri and classification systems in these fields.

0214

LOHMANN, H. D. Több nyelvű osztályozási rendszerek kidolgozása és hasznosítása. (Construction and use of multilingual classification systems). Tudom. Musz. Tájék., 23(4): 165-69, Apr. 1976.

The international exchange of scien-



tific and technical information requires some methodical aids such as bilingual or multilingual thesauri for storing, retrieving and disseminating information processed in several countries. Methods of constructing multilingual thesauri are outlined as well as problems of equivalencies.

#### 0215

LOOSE, G. Information in der chemischen technik auf der grundlage eines besonderen fachvokabulars. (Information for chemical technology based on a special subject vocabulary). VDI - Ber., (260):417-21, 1975.

#### 0216

LOSCHNER, G. Rechercheorientierte weiterentwicklung eines industriezweigthesaurus. (Search-oriented further development of a thesaurus for a branch of industry). Informatik, 23 (3):36-40, 1976.

General principles for compiling a thesaurus for a branch of industry are discussed, with particular reference to the second edition of a thesaurus of non-ferrous metals. A thesaurus compiler should always be mindful of the questions that users may ask of it. The terms of reference of each descriptor should be defined as precisely as possible. There should be a systematic structuring of descriptors in order to avoid inconsistencies and omissions in indexing. There should be a comprehensive formation of equivalence classes and care should be taken to avoid the use of excessive numbers of descriptors. The principle of pre-coordinated role indicators can be adapted for use in thesauri for other branches of industry.

#### 0217

LOUIS-GAVET, G. Attempt at thesaurus formalisation for any information system: practical application. Automatisme, 22(1-2):18-26, 1977. Em frances.

The thesaurus formalisation method presented relies on the statistics of character distribution in natural language phrases. Any thesaurus word can be compressed to four characters by

using a character concentration function. This reduces thesaurus size, improves the organization of an information system and cuts down its running costs.

#### 0218

LOUIS-GAVET, G. A mathematical formulation of keyword compression for thesauri. Inform. Process. & Management, 13(3):189-200, 1977.

Demonstrates a new method for concentrating the set of keywords of a thesaurus. This method is based on a mathematical study carried out by the author into the distribution of characters in defined natural language. A function of concentration has been built which generates only a few synonyms. In applying this function to the set of keywords of a thesaurus, each keyword is reduced to 4 characters without synonymity. (For 3 characters there is a rate of synonymity of approx. 1/1000th). A new structure of binary files allows the thesaurus to be contained in a table of less than 700 bytes.

#### 0219

Mc CUAIG, H. & MERCIER, M. A. A UDC water thesaurus/concordance; development and use. In: OPEN CONFERENCE ON INFORMATION SCIENCE IN CANADA. 1., Quebec, 1973. Proceedings. Ontario, Atomic Energy of Canada, 1973.

#### 0220

MACKESY, Eileen M. The MLA thesaurus of linguistic, literary, and folkloric terms: a work in progress. In: AMERICAN SOCIETY FOR INFORMATION SCIENCE. Annual Meeting. 44., Washington, 1981. The information community, an alliance for progress: proceedings. White Plains, N.Y., Knowledge Industry Publications, 1981. v. 18, p. 324-27.

The Modern Language Association of America (MLA) will implement a new classification and indexing system for the MLA International Bibliography effective with the 1981 volume. The contextual Indexing and Faceted Taxonomic Access System (CIFT) utilizes a combination of controlled and free vocabu-



larities to describe documents in language, literature, and folklore. The system's controlled vocabulary will be drawn from the MLA Thesaurus of Linguistic, Literary, and Folkloric Terms which will be compiled in facets corresponding to those used in CIFT indexing. The thesaurus currently under development will function as an integral part of MLA's internal bibliographical system, while also providing both the print and online user with additional subject access to the 50, 000 citations produced annually. The CIFT indexing system is described as an introduction to the faceted organization of the Thesaurus. Thesaurus philosophy, organization, and functions are also discussed.

0221

MAIXNER, V. Towards compensation laws in construction of thesauri. Information Storage and Retrieval, 6:383-85, 1970.

0222

MAJTILA, K. P. Some problems of bilingual thesaurus construction. Nauchn.-techn. Inform., Ser. 2. 7:21-2, 1974.

0223

MALWAD, N. M. Query formulation and feed-back study for a thesaurus-based information system. In: SEMINAR on Thesaurus in Information Systems, Bangalore, 1-5 dezembro 1975. Papers. Bangalore, Documentation Research and Training Center, 1976. p. C 6-C 19.

0224

MANDERSLOOT, Wim G.B. et alii. Thesaurus control: the selection, grouping, and cross-referencing of terms for inclusion in a coordinate index work list. Journal of the American Society for Information Science, 21(1):49-57, Jan./Fev. 1970.

0225

MARSHAKOVA, I. V. Posteroenie informatsionno-poiskovogo tezaurusa metodom distributivnostatisticheskogo analiza. (Construction of an IR thesaurus using statistical distribution analysis). Nauchno-Tekhnicheskaya Informatsiya. Ser. 2. 5:11-5, May, 1977.

The construction of an information retrieval thesaurus on the basis of a statistical distribution analysis is discussed. A manual experiment has been conducted on a sample of abstracts from VINITI's abstract journal (the subject area was "gas burners"). The summary keywords count was 3,662.

0226

MIRANDA NETTO, Antonio G. de. Aspectos semânticos do thesaurus. Rio de Janeiro, Fundação Getulio Vargas, 1970. 10 p.

0227

MITSUHASHI, H. Construction of a metallurgical thesaurus of the Iron and Steel Institute of Japan. Zyohokanri, Inform. & Doc., 18(12):975-87, 1976.

The thesaurus which is identical in structure to the JICST thesaurus and compatible with it has been a joint venture of 35 organizations and learned societies. It comprises 13 095 descriptors and 2 706 non-descriptors.

0228

MOLCHANOVA, T. V. Vedinie informatsionno-poiskovykh tezaurusov. (Keeping information thesauri). Nauchno-Tekhnicheskaya Informatsiya, Ser. 2. 4:23-7, Apr. 1977.

Reviews the general principles of updating a thesaurus and the specific techniques employed by information retrieval systems or recommended in the literature. Changes to the lexical units of a thesaurus may involve additions, deletions, changing the status of a term, or substitution of one term for another. Also discusses changes to paradigmatic and syntactic relations and some special methods of correcting a thesaurus.



0229

MOLHOLT, Pat. Art and architecture thesaurus. In: AMERICAN SOCIETY FOR INFORMATION SCIENCE. Annual Meeting 44. , Washington, 1981. The information community: an alliance for progress; proceedings. White Plains, N. Y., Knowledge Industry Publ., 1981. v. 18 p. 320- 23.

The need for a uniform set of terms for art and architecture has become apparent on the basis of considerable discussion with people in art and architecture-librarians, museum curators, historians, and indexers. Dora Crouch, Toni Peterson and Pat Molholt secured funding through the Council on Library Resources and the National Endowment for the Humanities to plan such a thesaurus.

Their report to the Council emphasizes the need to incorporate existing efforts in the construction of the AAT (Art and Architecture Thesaurus ). Automation will play an integral part in the project, ranging from tele-conferencing between the three project directors and the advisory boards during production to simultaneous publication in print and machine - readable form.

0230

MOSKOVICH, V. A. The statistical distribution method of thesaurus construction: present situation and future prospects. Part. 1. Nauch. Tekh. Inf., Ser. 2, 3:12-21, 1972. Em russo.

0231

MOSKOVICH, V. A. Statistical- distribution method of thesaurus construction: state-of-the-art and prospects. Part 2. Nauch.-Tekh. Inf., Ser. 2, (4):15-24, 1972. Em russo.

0232

MUTAFOV, C. Developing subject-oriented thesauri from the medicine roof of thesaurus descriptor fields. DDR-Med. Rept., 4(2):89-95, 1975. Em alemão.

0233

NEUFELD, Margaret L. Linguistic approaches to the construction and use of thesauri: a review. Drexel Library Quarterly, 8(2):135- 46, Apr. 1972.

0234

NORTON, Manuel Artur. Tentativa de elaboração de um thesaurus de catalogação bibliográfica. Cadernos de Biblioteconomia, Arquivística e Documentação, 8(1):3-22, jan. 1971.

0235

OLIVEIRA, Laura de Lira e. Construção de um thesaurus para indexar prontuários médicos no campo da cardiologia. Rio de Janeiro, s.ed., 1979 . Tese (Mest. Ci. Inf. ). IBICT/UFRJ.

0236

OSAVKOV, Z. Information thesaurus for empiric social research. Social Probl., 9(6):44-55, 1977. Em búlgaro.

Worked out on the basis of a classification schedule and a nomenclature list of the Central Statistical Board at the Institute of Sociology.

0237

PADIRAC, B. de et alii. SPINES; feasibility study. Paris, Unesco, c1974. 115 p. (Science Policy Studies and Documents, 33-1).

0238

PADMANABHAN, V. S. & AMBA, D. N. Some factors to be considered in the compilation of a thesaurus for leather and allied industries. In: SEMINAR in Thesaurus in Information Systems, Bangalore, 1-5 dezembro 1975. Papers. Bangalore, Documentation Research and Training Center, 1976. p. C 33 - C 39.

0239

PECCATTE, Patrick. Les modèles mathématiques de la structure d'un thesaurus et la relation d'equivalence. Paris, CNAM, 1981. 43 p.

Etude des modeles mathématiques de la structure d'un thesaurus utilisant la théorie des graphes, la théorie classique des ensembles et la théorie des ensembles flous L'accent est mis sur



la relation d'équivalence documentaire. Un modèle reposant sur la méréologie de Lesniewski est proposé en fin de mémoire.

0240

PERREAULT, Jean M. A new thesaural search strategization based on rounds and levels. Herald of Library Science, 12(2-3):108-17, Apr./July 1973.

0241

PETOFI, János. Some aspects of a multi-purpose thesaurus. International Classification, 1(2):69-76, 1974.

Linguistic and documentation theoretical researches aim at developing a lexicon that contains a maximum amount of verbal and an optimum amount of encyclopaedic information. The study discusses the following questions concerning a lexicon that constitutes a component of a text theory: (a) the structure of the lexicon in general, (b) the structure of the elementary units of the lexicon, (c) the structure of the definitions in the lexicon, (d) the relations among the units of the lexicon, and (e) the employment of the lexicon in text processing. Since in the formal and content structure of this lexicon the various requirements of its applications have also been taken into consideration, this lexicon is capable of fulfilling all functions that a thesaurus must fulfil and thus it can be considered as a multi-purpose thesaurus.

0242

PIGUR, V. A. Lingvisticheskoe obespechenie postroeniya mnogoyazychnykh tezaurusov: podbor ekvivalentov. (Linguistic support in building up multilingual thesauri. Choice of equivalents). Naucno-Tekh. Inform. Ser. 2, 11:11-8, Nov. 1979.

In constructing multilingual thesauri a most difficult problem is the choice of equivalents for words which are partial synonyms. For this the main types of lexical systems and paradigmatic relations are considered and an example of a semantic description of terminal lexical systems in Russian and in English is given.

0243

PIGUR, V. A. & BARANOVA, O.B. Mnogoyazychnye tezaurusy; obzor metodicheskikh dokumentov. (Multilingual thesauri: survey of documents on techniques of compilation). Nauch. - Tekh. Inf., Ser. 2, 6:13-8, 1976.

A method of constructing a multilingual thesaurus is described based on an analysis of 3 Unesco and 5 International Organization for Standardization publications on the subject. The method does not cover the humanities or social sciences. It is assumed that a suitable monolingual thesaurus exists which can be used as the base for the multilingual version. There are 4 stages: (1) analysis and translation of the base thesaurus; (2) production of the initial list of multilingual descriptors; (3) transfer of the logical and semantic relations from the base thesaurus to the multilingual list, at the same time indicating term equivalences - the result is a working version of the multilingual thesaurus which can be used for text indexing; (4) testing and analysis of the multilingual thesaurus and improving equivalences between descriptors in all languages. Absence of experience of updating procedures is noted.

0244

PILZ, J. Methodological aspects in the construction and use of multidimensional structures in a thesaurus. Dokumentation/Information. Schriftenr. d. Inst. Inform. Wiss., Erfindungsw. u. Recht TH Ilmenau 24:73-102, 1974.

Discussion of multidimensionality and polyhierarchy and indication of the correlation and distinction between multidimensionality and polyhierarchy. The general multidimensional thesaurus structure and the multidimensional representation of relationships are explained. Using these principles, queries may be modified.

0245

POLETYLO, M. & BIELECKA, L. Methods of and approaches to, developing a system of thesauri for the network of scientific, technical and economic information. In: Pr. stud. przyczynki IINTE, 1, 1974. 62 p.



Proposal that the Polish national system of thesauri should consist of a general thesaurus as well as of specialised thesauri and thesauri for subsystems.

0246

POPOWSKA, Hanna. Budowanie tezaursów metoda A.V. Sokolova. (Thesaurus construction by A.V. Sokolov's method.). Aktual. probl. inform. i dok., 24(6):21-6, 1979.

Describes Sokolov's thesaurus construction method, developed in the USSR. It has been described as facet-block thesaurus construction; the thesaurus is compiled by filing up pre-selected categories. Presents data on actual applications.

0247

POSNETT, N. W. The land resources division and its feature card system. Quart. Bull. IAALD, 20(1):23-33, 1975.

Cubre la compilación y estructura de un tesauero, las tarjetas de caracterización y su almacenamiento, la indización, la prevención de falsa identificación, la supresión de términos generales, la operación del sistema y un análisis de comportamiento.

0248

POZNANIN, L. P. & VLASOVA, V. F. On the necessity for creating a thesaurus for biology and its structure. Nauch.- Tekh. Inf., Ser. 2, (9):23-4, 1972.

El tesauero compilado por VINITI contiene una serie de términos y una nomenclatura. Esta última incluye descripciones: nombres científicos de animales y plantas.

0249

PRASAD, K. N. et alii. Work and time analysis for rendering terms in a thesaurus derived from a faceted classification schedule: a case study with lathe production. In: SEMINAR on Thesaurus in Information Systems, Bangalore, 1-5 dezembro 1975. Papers. Bangalore, Documentation Research and Training Center, 1976. p. B 47-B 51.

0250

PROBST, M. A. Tezaury v informatike. (Thesauri in informatics). Nauch.- Tekh. Inf., Ser. 2(9):14-20, 1979.

The thesaurus is considered as a definite structured system of semantic units with a developed set of relations. Questions concerning correlations between the thesaurus and different classifications and between branch thesauri are clarified. The connection between texts and thesaurus construction problems are investigated.

0251

RAIZADA, A. S. et alii. Cross referencing and thesaurus maintenance. In: SEMINAR on Thesaurus in Information Systems, Bangalore, 1-5 dezembro 1975. Papers. Bangalore, Documentation Research and Training Center, 1976. p. A29-A36.

0252

RAJAN, T. N. Related terms in thesauri. In: SEMINAR on Thesaurus in Information Systems, Bangalore, 1-5 dezembro 1975. Papers. Bangalore. Documentation Research and Training Center, 1976. p. A13-A21.

0253

REBISCHUNG, J. Elaboration of a thesaurus in the field of agricultural science and technology, planned as a common language for AGRIDOC organizations. Final report. Paris, Centre Nationale de la Recherche Scientifique, 1974. n.p.

Da los objetivos del tesauero, describe el trabajo y los resultados (tesauero sub-temático).

0254

REMIOT, P. et alii. Elaboration d'un thésaurus français de génie biomédical et d'informatique biomédicale. Paris, CNRS, 1974. 222p.

The thesaurus has the structure of a faceted classification.



0255

ROBREDO, Jaime & CHASTINET, Yone S.  
Classificação versus thesaurus: um exemplo prático de aplicação na área agrícola. In: CONFERÊNCIA BRASILEIRA DE CLASSIFICAÇÃO BIBLIOGRÁFICA, (Rio de Janeiro, 1976). Anais. Rio de Janeiro, IBICT, 1979. v.1.

0256

ROBREDO, Jaime et alii. Construção de um núcleo de thesaurus em agricultura baseado no uso real dos descritores. In: REUNIÃO BRASILEIRA DE CIÊNCIA DA INFORMAÇÃO, 1., Rio de Janeiro, 1975. Anais. Rio de Janeiro, IBICT, 1978. v.1 p. 289-303.

Um problema bem conhecido dos sistemas mecanizados de recuperação da informação é a divergência que frequentemente existe entre a linguagem usada para formular a pergunta e aquela usada para indexar os documentos incorporados ao sistema.

Muitos thesaurus pretendem resolver o problema multiplicando as relações hierárquicas e de associação entre os termos utilizados como descritores. No entanto, tais relações são, frequentemente, o resultado de uma concepção acadêmica que nada tem a ver com a realidade das associações conceituais dos próprios especialistas.

Tendo como base alguns resultados interessantes já obtidos pelos autores em outra área, aplicou-se às Ciências Agrícolas uma metodologia de trabalho que permite estabelecer um núcleo expansível de thesaurus, no qual os termos se relacionam de acordo com as associações mais prováveis de uso por parte dos especialistas.

Preparam-se programas de computador os quais permitem obter-se listagens de frequência de uso dos termos juntamente com as frequências de associação entre os diferentes descritores. Estes programas que permitem definir o que chamou-se "meio ambiente da significação" dos descritores, ajudam a evidenciar certas associações entre termos, as quais são difíceis ou impossíveis de detectar-se a priori, apoiando-se apenas em conceitos acadêmicos de classificação; tais associações reais podem ser de grande valor no momento de recuperar-se a informação.

0257

RODRIGUEZ DELGADO, Rafael. General systems theory and thesauri construction. In: ANNUAL CONFERENCE OF SOCIETY OF CLASSIFICATION, 3., Königstein, April 5-6, 1979. Klassifikation und Erkenntnis II. Proceedings der Vorträge der Sekt 2 und 3. (Classification and Cognition II. Proceedings of Papers of Sessions 2 and 3). Ed. by Ingertraut Dahlberg. Frankfurt, 1979. n.p.

Scientific concepts can be considered as models or "constructs" related to reality, but affected by "deformation indexes", whose values should be known. Concepts are organized in systems (nebtal structures) by classification criteria which depend on other concepts related to cultural contexts. It is proposed in this paper to apply General Systems Theory and Research to establish classification criteria of concepts elaborate a common metalanguage-or "megathesaurus"-to be used as a central core for macro and microthesauri interrelation. These ideas have been applied to the construction of a descriptors list for the Spanish Navy, as well as for a mechanized project of microthesaurus developed by the CEPIS (Panamerican Centre for Sanitary Engineering and Environmental Sciences) and for an educational thesaurus developed at CENDIE (National Center of Documentation and Information for Education), both in Lima, Peru.

0258

RODRIGUEZ DELGADO, Rafael. La integración de los lenguajes documentarios fin de Babel Rev. Esp. Doc. Cient., 4(3):333- 40, 1980.

0259

RODRIGUEZ DELGADO, Rafael. Plan para la elaboración de tesauros coordinados en português y en español. Rev. Esp. Doc. Cient., 2(4):337- 55, 1979.

Mention is made of problems one may come up against in translating many English terms into the Romance, notably Spanish and Portuguese. Since the majority of STI materials in English and English language thesauri are by far the most widespread, English can



be accepted as the base language in developing multilingual thesauri in the natural and exact sciences. In the socio-economic and cultural-artistic fields, however, such a solution will hardly be practical, because many realia characteristic of particular countries and regions cannot be adequately rendered in any but the corresponding national languages. The affinity of the Spanish and Portuguese culture and the socio-economic, linguistic, cultural and historical proximity of the Latin American nations emphasise the importance of developing a bilingual Spanish/Portuguese thesaurus which will reflect above all the realia of these two regions, but also general scientific terms. A provisional action plan for establishing a common set of indexing languages and information systems for Spain, Portugal and the Latin America is presented, which includes the following basic items: (1) to develop Spanish- and Portuguese-based common indexing languages which will rely on a macrothesaurus and specialised thesauri suitable for information interchange within automated or semi-automated networks; (2) to develop an information metalanguage (possibly based on FID's Broad System of Ordering) for exchange of multidisciplinary STI; (3) to provide for thesaurus compatibility by the use of numerical codes; (4) to develop a Spanish/Portuguese and Portuguese/Spanish automatic translation system which will handle at least the terminology covered by the thesauri. The organisational aspects of the action plan are outlined and its phases are formulated. Two Latin American experiences in developing international thesauri are reported in health (MISCA) and in education (CENDIE). Fragments of the two thesauri are presented.

0260

RODRÍGUEZ DELGADO, Rafael. Teoría de sistemas y tesauros facetados. R. Esp. Doc. Cient., 1(3):213- 24, 1978.

If scientific ideas are according to general systems theory, the ambiguous concept of 'facet' can be considered as 'criterion for classification'. These criteria can facilitate information

processing and retrieval. Contains 3 brief examples of this approach in relation to physics, biology and economics.

0261

ROGERS, Virginia G. Thesaurus construction: an introduction. Drexel Library Quarterly, 8(2):117- 24, Apr. 1972.

0262

ROMAIN, Jean-François. Principes d'établissement d'un thésaurus de presse à partir d'un fichier matières. Paris, C.N.A.M., 1980. 110 p.

0263

ROSENBAUM, Hans Dieter. The coordination of thesaurus work in the German Democratic Republic; a contribution to improving efficiency of information. Dok. Inf., 19:5-14, 1972. Em alemão.

Hace énfasis sobre la coordinación necesaria en un tesoro en campos tales como la electrónica, la maquinaria pesada, la construcción de vehículo, la agricultura. El tesoro del Consejo de Ministros en la RDA da los descriptores y relaciones de concepto para el planeamiento y manejo de procesos industriales y es la base para un tesoro coordinado.

0264

ROY, P. B. & BANERJEE, S. B. Basic considerations for designing a thesaurus for an information system for social science subjects with special reference to Jute trade. In: SEMINAR on Thesaurus in Information Systems, Bangalore, 1-5 dezembro 1975. Papers. Bangalore, Documentation Research and Training Center, 1976. p. A 62-A 79.

0265

SAGER, J. C. et alii. Guidelines for the establishment of comparison and compatibility matrices between thesauri in the social sciences, submitted to the Unesco Division for the International Development of Social Sciences. Manchester, University of Manchester, Institute of Science and Technology, 1981. 3 vols.



0266

SAGER, J. C. et alii. Thesaurus integration in the social sciences. Part I: Comparison of thesauri. Int. Classif., 8(3):133-38, 1981.

On établit des critères pour comparaison de thesaurus. On considère la structure générale (couverture, classification, hiérarchies), la structure linguistique (termes et descripteurs, relations) et les caractéristiques formelles (typographic, codes, symboles).

0267

SAGER, J. C. et alii. Thesaurus integration in the social sciences. Part II: Stages towards integration. International Classification, 9(1):19-26, 1982.

0268

SAGER, J. C. et alii. Thesaurus integration in the social sciences. Part III: Guidelines for the integration of thesauri. International Classification, 9(2):64-70, 1982.

0269

SCHEEL, Hans. Quantitative relationen zwischen deskriptoren und nichtdeskriptoren in thesauri. (Relations quantitatives entre descripteurs et non descripteurs dans les thesauri). Informatik, 28(4):27-9, 1981.

0270

SCHNEIDER, Klaus. Thesaurus zur erschliessung von musik nach anlass, zweck und inhalt ein projekt des Deutschen Bibliotheksinstituts (DBI). (Thesaurus of music classification according to motive, purpose and content. A German Library Institute project). Forum Musikbibliothek, 1:27-34, 1980.

The need for a definitive thesaurus of music has been recognised for many years and various steps have been taken towards a more comprehensive method of cataloguing musical content. The German Library Institute (Deutsche Bibliotheksinstitut (DSI) has been working on a thesaurus of music since 1978. One of the greatest difficulties in the preparation was deciding which criteria were necessary for indexing music titles. Work started by collec-

ting material and examining each title to see whether it contained certain concepts which referred to the content. These formed the empiric base for the thesaurus vocabulary. The thesaurus will contain 500-600 terms which will be the future preferred indexing terms. The project is not yet completed but is ready to be tested by the municipal music library in Munich in the framework of their cataloguing activity.

0271

SCHUCK, H. J. Linguistic aspects in the translation of thesauri. In: EUROPEAN CONGRESS ON INFORMATION SYSTEMS AND NETWORKS. 3., Luxembourg, 1977. Overcoming the language barrier. Proceedings. München, Verlag Dokumentation, 1977. v.1. p.447-62.

A characteristic feature of such work is that the translation does not relate to isolated terms, as in a dictionary, but to terms arranged in equivalence classes or networks of relations. The status of the terms within a class or a network (descriptor, USE reference, broader term, narrower term) in two or more languages may differ; gaps, additions, and also artificial concepts may be required in the target thesaurus. This is due to the fact that the representation of relations between concepts and their terms-by definition an indispensable criterion of a thesaurus -is based on the thought and semantic structure of any given language. Translating a thesaurus, whether for collecting material or for use as a documentation language for indexing and retrieval, is not the optimum way of building up a multilingual system. The aim should be an a priori compilation of bilingual or multilingual thesauri in international working groups, during which the descriptors and their relations are simultaneously established in more than one language.

0272

SCIBOR, Eugeniusz. Principles of building a national system of thesauri in the GDR. Akt. Prob. Inf. Dok., 18(1):16-20, 1973. Em polones.



0273

SEETHARAMA, S. Term-concept relationship in an information retrieval thesaurus. Library Science with a slant to Documentation, 13(2):67-73, June 1976.

0274

SEL'DESEV, V. N. et alii. The development of a bilingual thesaurus and a common information retrieval language in nuclear science and technology. Probl. atomiz. abrab. nauc - techn. inform., 10:40-7, 1978. Em russo.

Discussion of the development of the thesaurus and the process of enriching its vocabulary with new trends.

0275

SERRANO, Nitzia Gicela B. Modelo de um thesauromet em arquitetura. Rio de Janeiro, s.ed., 1979. 146 f. Te se.

0276

SHCHEKHTAMAN, N. A. Chastotnost slova i ego pozitsiya v tezauruse. (Word frequency and its place in a thesaurus). Nauch.-Tekn Inform. Ser. 2, 5:20-1, May 1978.

A technique for distribution of words among thesaurus subject headings on the basis of a correlation of semantic and formal parameters of words is suggested. For the formal feature, the word frequency is used. For the semantic feature of a word its ability of being a member of contextual pair according to the principles "interpretation", "graduation", "opposition", "specification", and "evaluation" is taken.

0277

SHEKHTMAN, N. A. Sur un principe d'extension et d'approfondissement du thesaurus. Naucno-teh. inf. - vses. inst. naucn., teh. inf., Ser. 2, 7:10-2, 1981. Em russo.

0278

SIDORCENKO, V. D. Semanticheskaya struktura tezaurusa: sovremennoe sostoyanie i napravleniya ee sovershenstvovaniya. (Semantic structure of a thesaurus: state of the art and development trends). Naucno - techn. inform., Ser. 2., 9:3-12, 1976.

A thesaurus is defined as consisting of: (1) a set of meaningful elements (vocabulary); (2) a connecting system of lexico-semantic relationships; (3) a conceptual system, characterised by breadth of subject coverage and fullness of vocabulary. The trends in thesauri are towards more precise concept representation more levels of hierarchy, the construction of systems connecting relationships, and wider coverage. The increase in computer storage capacity is seen as offering possibilities for the creation of new thesaurus structures.

0279

SOERGEL, Dogobert. Indexing languages and thesauri construction and maintenance. Los Angeles, Melville publ., c1974. 632 p.

0280

SOKOLOV, A. V. The design principle of facet-block thesauri. Inform. jasyki. p. 222-43, 290, 1975. Em russo.

Different thesauri are made compatible by a standard facet-block structure built into their semantic organization. A general-purpose list of facets and descriptor blocks is given.

0281

SOKOLOV, A. V. Ob adnom vozmozhnom podklode k obespecheniyu soomestimosti IPT: universalnaya tabula informatsionnopoiskovykh tezaurusov. (A possible approach to ensuring IRS compatibility: universal "table" for information thesauri). Naucno-tehn. Inform., Ser.2, 1:19-24, 1979.

Examines the possibility of constructing compatible information retrieval thesauri by means of a set of categories based on a universal, subject-independent scheme of facets. Provi-



sion is made for special subfacets to allow for the migration of terms between subject fields. The scheme has been used to construct thesauri in various areas of engineering. A comparison with the ERIC (Educational Resources Information Center) Thesaurus is used to assess the scheme's universal applicability.

0282

SOKOLOV, A. V. Some problems in the type design of IR thesauri. Struktur i. Prikl. Lingv., 1:172-81, 1978. Em russo.

The type design should be such it allows for compatibility among different thesauri. An IR thesaurus "plot" is introduced to mean the scheme of facets and lexical blocks, representing the thesaurus contents.

0283

SOKOLOV, A. V. et alii. Opyt razrabotki sovместimyykh uzkotematicheskikh informatsionnopoiskovykh tezaurusov. (An experiment with the construction of compatible narrow subject field thesauri). Nauch.-Tekh. Inf., Series 2, 10:5-12, 1978.

The purpose of the study was to develop a methodology of the construction of compatible, narrow subject field thesauri for the projected automated scientific technical information system (ASTIS) at the Ministerstvo morskogo flota (Marine Ministry). As the emphasis was on compatibility an experiment was conducted into the use of facet-block type of information retrieval language (IRL). Its distinctive feature is the grouping of terms of mutually exclusive facets, blocks and sub-blocks. The system requires that general subject categories (i.e. those with interdisciplinary meaning) are identified and used as bases for the thesauri of narrow subject fields. Each individual interchangeable section can be transferred from one thesaurus to another. Experiments showed that the construction of compatible thesauri is feasible although the work cannot, at this stage, be considered completed. Outstanding problems are listed.

0284

SOUZA, M. L. R. de et alii. Metodologia de versão objeto de tesaurus multilingues. In: CONGRESSO LATINO AMERICANO DE BIBLIOTECONOMIA E DOCUMENTAÇÃO. 1., Salvador, 1980. Anais. Salvador, FEBAB, 1980. v.1. p. 181-95.

0285

SPRINGL, W. Die Entwicklung eines mehrsprachigen Informations - Recherche-Thesaurus für das Fachgebiet Schwarmmetallurgie. (The development of a multilingual IR thesaurus for ferrous metallurgy). Dok/Inform., 49:26-31, 1980.

Work is currently under way on a multilingual IR thesaurus within the framework of the INTERSTAL international information system, to which the GDR, Poland, the USSR, Yugoslavia and Czechoslovakia are making contributions. The terminological source is provided by a Russian language thesaurus in ferrous metallurgy which contains 18,000 lexical units. The thesaurus development project comprises several stages: 1) translation of terms from Russian into the national languages of the participating countries; 2) categorisation of the vocabulary; 3) structuring of concepts within categories; 4) thesaurus control and testing. The constitution of each stage and its current state of development are discussed. The first stage has been completed. Mention is made of some of the more serious problems (typically linguistic ones) which have had to be surmounted in carrying out the first stage. The categorisation of the vocabulary consists in assigning terms to particular categories and ordering them within their categories. So far, a term card index using A6 cards marked with category numbers has been compiled. Structuring within a category refers to the identification of paradigmatic relations between terms, identification of the head concept (descriptor) of a paradigmatic group, and the construction of a hierarchy of terms. The principal problem in the development of a multilingual thesaurus is to correlate the terms and paradigmatic groups among the different languages. It is



0229

MOLHOLT, Pat. Art and architecture thesaurus. In: AMERICAN SOCIETY FOR INFORMATION SCIENCE. Annual Meeting 44. , Washington, 1981. The information community: an alliance for progress; proceedings. White Plains, N. Y., Knowledge Industry Publ., 1981. v. 18 p. 320- 23.

The need for a uniform set of terms for art and architecture has become apparent on the basis of considerable discussion with people in art and architecture-librarians, museum curators, historians, and indexers. Dora Crouch, Toni Peterson and Pat Molholt secured funding through the Council on Library Resources and the National Endowment for the Humanities to plan such a thesaurus.

Their report to the Council emphasizes the need to incorporate existing efforts in the construction of the AAT (Art and Architecture Thesaurus). Automation will play an integral part in the project, ranging from tele-conferencing between the three project directors and the advisory boards during production to simultaneous publication in print and machine - readable form.

0230

MOSKOVICH, V. A. The statistical distribution method of thesaurus construction: present situation and future prospects. Part. 1. Nauch. Tekh. Inf., Ser. 2, 3:12-21, 1972. Em russo.

0231

MOSKOVICH, V. A. Statistical- distribution method of thesaurus construction: state-of-the-art and prospects. Part 2. Nauch.-Tekh. Inf., Ser. 2, (4):15-24, 1972. Em russo.

0232

MUTAFOV, C. Developing subject-oriented thesauri from the medicine ro- of thesaurus descriptor fields. DDR-Med. Rept., 4(2):89-95, 1975. Em alemão.

0233

NEUFELD, Margaret L. Linguistic approaches to the construction and use of thesauri: a review. Drexel Library Quarterly, 8(2):135- 46, Apr. 1972.

0234

NORTON, Manuel Artur. Tentativa de elaboração de un thesaurus de catalogação bibliográfica. Cadernos de Biblioteconomia, Arquivística e Documentação, 8(1):3-22, jan. 1971.

0235

OLIVEIRA, Laura de Lira e. Construção de um thesaurus para indexar prontuários médicos no campo da cardiologia. Rio de Janeiro, s.ed., 1979 . Tese (Mest. Ci. Inf. ). IBICT/UFRJ.

0236

OSAVKOV, Z. Information thesaurus for empiric social research. Social Probl., 9(6):44-55, 1977. Em bulgá- ro.

Worked out on the basis of a clas- sification schedule and a nomenclature list of the Central Statistical Board at the Institute of Sociology.

0237

PADIRAC, B. de et alii. SPINES; feasi- bility study. Paris, Unesco, c1974. 115 p. (Science Policy Studies and Documents, 33-1).

0238

PADMANABHAN, V. S. & AMBA, D. N. Some factors to be considered in the compilation of a thesaurus for leather and allied industries. In: SEMINAR in Thesaurus in Information Systems, Bangalore, 1-5 dezembro 1975. Papers. Bangalore, Documentation Research and Training Center, 1976. p. C 33 - C 39.

0239

PECCATTE, Patrick. Les modèles mathématiques de la structure d'un thesaurus et la relation d'équivalence. Paris, CNAM, 1981. 43 p.

Etude des modèles mathématiques de la structure d'un thésaurus utilisant la théorie des graphes, la théorie clas- sique des ensembles et la théorie des ensembles flous L'accent est mis sur



la relation d'équivalence documentaire. Un modèle reposant sur la méréologie de Lesniewski est proposé en fin de mémoire.

0240

PERREAULT, Jean M. A new thesaural search strategization based on rounds and levels. Herald of Library Science, 12(2-3):108-17, Apr./July 1973.

0241

PETOFI, János. Some aspects of a multi-purpose thesaurus. International Classification, 1(2):69-76, 1974.

Linguistic and documentation theoretical researches aim at developing a lexicon that contains a maximum amount of verbal and an optimum amount of encyclopaedic information. The study discusses the following questions concerning a lexicon that constitutes a component of a text theory: (a) the structure of the lexicon in general, (b) the structure of the elementary units of the lexicon, (c) the structure of the definitions in the lexicon, (d) the relations among the units of the lexicon, and (e) the employment of the lexicon in text processing. Since in the formal and content structure of this lexicon the various requirements of its applications have also been taken into consideration, this lexicon is capable of fulfilling all functions that a thesaurus must fulfil and thus it can be considered as a multi-purpose thesaurus.

0242

FIGUR, V. A. Lingvisticheskoe obespechenie postroeniya mnogoyazychnykh tezaurusov: podbor ekvivalentov. (Linguistic support in building up multilingual thesauri. Choice of equivalents). Naucno-Tech. Inform. Ser. 2, 11:11-8, Nov. 1979.

In constructing multilingual thesauri a most difficult problem is the choice of equivalents for words which are partial synonyms. For this the main types of lexical systems and paradigmatic relations are considered and an example of a semantic description of terminal lexical systems in Russian and in English is given.

0243

FIGUR, V. A. & BARANOVA, O.B. Mnogoyazychnye tezaurusy; obzor metodicheskikh dokumentov. (Multilingual thesauri: survey of documents on techniques of compilation). Nauch. - Tekh Inf., Ser. 2, 6:13-8, 1976.

A method of constructing a multilingual thesaurus is described based on an analysis of 3 Unesco and 5 International Organization for Standardization publications on the subject. The method does not cover the humanities or social sciences. It is assumed that a suitable monolingual thesaurus exists which can be used as the base for the multilingual version. There are 4 stages: (1) analysis and translation of the base thesaurus; (2) production of the initial list of multilingual descriptors; (3) transfer of the logical and semantic relations from the base thesaurus to the multilingual list, at the same time indicating term equivalences - the result is a working version of the multilingual thesaurus which can be used for text indexing; (4) testing and analysis of the multilingual thesaurus and improving equivalences between descriptors in all languages. Absence of experience of updating procedures is noted.

0244

PILZ, J. Methodological aspects in the construction and use of multidimensional structures in a thesaurus. Dokumentation/Information. Schriftenr. d. Inst. Inform. Wiss., Erfindungsw. u. Recht TH Ilmenau 24:73-102, 1974.

Discussion of multidimensionality and polyhierarchy and indication of the correlation and distinction between multidimensionality and polyhierarchy. The general multidimensional thesaurus structure and the multidimensional representation of relationships are explained. Using these principles, queries may be modified.

0245

POLETYLO, M. & BIELECKA, L. Methods of and approaches to, developing a system of thesauri for the network of scientific, technical and economic information. In: Pr. stud. przyczynki IINTE, 1, 1974. 62 p.



Proposal that the Polish national system of thesauri should consist of a general thesaurus as well as of specialised thesauri and thesauri for subsystems.

0246

POPOWSKA, Hanna. Budowanie tezaursów metoda A.V. Sokolova. (Thesaurus construction by A.V. Sokolov's method.). Aktual. probl. inform. i dok., 24(6):21-6, 1979.

Describes Sokolov's thesaurus construction method, developed in the USSR. It has been described as facet-block thesaurus construction; the thesaurus is compiled by filing up pre-selected categories. Presents data on actual applications.

0247

POSNETT, N. W. The land resources division and its feature card system. Quart. Bull. IAALD, 20(1):23-33, 1975.

Cubre la compilación y estructura de un tesoro, las tarjetas de caracterización y su almacenamiento, la indización, la prevención de falsa identificación, la supresión de términos generales, la operación del sistema y un análisis de comportamiento.

0248

POZNANIN, L. P. & VLASOVA, V. F. On the necessity for creating a thesaurus for biology and its structure. Nauch.- Tekh. Inf., Ser. 2, (9):23-4, 1972.

El tesoro compilado por VINITI contiene una serie de términos y una de nomenclatura. Esta última incluye descripciones: nombres científicos de animales y plantas.

0249

PRASAD, K. N. et alii. Work and time analysis for rendering terms in a thesaurus derived from a faceted classification schedule: a case study with lathe production. In: SEMINAR on Thesaurus in Information Systems, Bangalore, 1-5 dezembro 1975. Papers. Bangalore, Documentation Research and Training Center, 1976. p. B 47-B 51.

0250

PROBST, M. A. Tezaurusy v informatike. (Thesauri in informatics). Nauch.- Tekh. Inf., Ser. 2(9):14-20, 1979.

The thesaurus is considered as a definite structured system of semantic units with a developed set of relations. Questions concerning correlations between the thesaurus and different classifications and between branch thesauri are clarified. The connection between texts and thesaurus construction problems are investigated.

0251

RAIZADA, A. S. et alii. Cross referencing and thesaurus maintenance. In: SEMINAR on Thesaurus in Information Systems, Bangalore, 1-5 dezembro 1975. Papers. Bangalore, Documentation Research and Training Center, 1976. p. A29-A36.

0252

RAJAN, T. N. Related terms in thesauri. In: SEMINAR on Thesaurus in Information Systems, Bangalore, 1-5 dezembro 1975. Papers. Bangalore. Documentation Research and Training Center, 1976. p. A13- A21.

0253

REBISCHUNG, J. Elaboration of a thesaurus in the field of agricultural science and technology, planned as a common language for AGRIDOC organizations. Final report. Paris, Centre Nationale de la Recherche Scientifique, 1974. n.p.

Da los objetivos del tesoro, describe el trabajo y los resultados (tesoro sub-temático).

0254

REMIOT, P. et alii. Elaboration d'un thésaurus français de génie biomédical et d'informatique biomédicale. Paris, CNRS, 1974. 222p.

The thesaurus has the structure of a faceted classification.



0255

ROBREDO, Jaime & CHASTINET, Yone S.  
Classificação versus thesaurus: um exemplo prático de aplicação na área agrícola. In: CONFERÊNCIA BRASILEIRA DE CLASSIFICAÇÃO BIBLIOGRÁFICA, (Rio de Janeiro, 1976). Anais. Rio de Janeiro, IBICT, 1979. v.1.

0256

ROBREDO, Jaime et alii. Construção de um núcleo de thesaurus em agricultura baseado no uso real dos descritores. In: REUNIÃO BRASILEIRA DE CIÊNCIA DA INFORMAÇÃO, 1., Rio de Janeiro, 1975. Anais. Rio de Janeiro, IBICT, 1978. v.1 p. 289-303.

Um problema bem conhecido dos sistemas mecanizados de recuperação da informação é a divergência que frequentemente existe entre a linguagem usada para formular a pergunta e aquela usada para indexar os documentos incorporados ao sistema.

Muitos thesaurus pretendem resolver o problema multiplicando as relações hierárquicas e de associação entre os termos utilizados como descritores. No entanto, tais relações são, frequentemente, o resultado de uma concepção acadêmica que nada tem a ver com a realidade das associações conceituais dos próprios especialistas.

Tendo como base alguns resultados interessantes já obtidos pelos autores em outra área, aplicou-se às Ciências Agrícolas uma metodologia de trabalho que permite estabelecer um núcleo expansível de thesaurus, no qual os termos se relacionam de acordo com as associações mais prováveis de uso por parte dos especialistas.

Preparam-se programas de computador os quais permitem obter-se listagens de frequência de uso dos termos juntamente com as frequências de associação entre os diferentes descritores. Estes programas que permitem definir o que chamou-se "meio ambiente da significação" dos descritores, ajudam a evidenciar certas associações entre termos, as quais são difíceis ou impossíveis de detectar-se a priori, apoiando-se apenas em conceitos acadêmicos de classificação; tais associações reais podem ser de grande valor no momento de recuperar-se a informação.

0257

RODRIGUEZ DELGADO, Rafael. General systems theory and thesauri construction. In: ANNUAL CONFERENCE OF SOCIETY OF CLASSIFICATION, 3., Königstein, April 5-6, 1979. Klassifikation und Erkenntnis II. Proceedings der Vorträge der Sekt 2 und 3. (Classification and Cognition II. Proceedings of Papers of Sessions 2 and 3). Ed. by Ingertraut Dahlberg. Frankfurt, 1979. n.p.

Scientific concepts can be considered as models or "constructs" related to reality, but affected by "deformation indexes", whose values should be known. Concepts are organized in systems (nebtal structures) by classification criteria which depend on other concepts related to cultural contexts. It is proposed in this paper to apply General Systems Theory and Research to establish classification criteria of concepts elaborate a common metalanguage-or "megathesaurus"-to be used as a central core for macro and microthesauri interrelation. These ideas have been applied to the construction of a descriptors list for the Spanish Navy, as well as for a mechanized project of microthesaurus developed by the CEPIS (Panamerican Centre for Sanitary Engineering and Environmental Sciences) and for an educational thesaurus developed at CENDIE ( National Center of Documentation and Information for Education), both in Lima, Peru.

0258

RODRIGUEZ DELGADO, Rafael. La integración de los languages documentarios fin de Babel Rev. Esp. Doc. Cient., 4(3):333- 40, 1980.

0259

RODRIGUEZ DELGADO, Rafael. Plan para la elaboración de tesauros coordinados en portugues y en español. Rev. Esp. Doc. Cient., 2(4):337- 55, 1979.

Mention is made of problems one may come up against in translating many English terms into the Romance, notably Spanish and Portuguese. Since the majority of STI materials in English and English language thesauri are by far the most widespread, English can



be accepted as the base language in developing multilingual thesauri in the natural and exact sciences. In the socio-economic and cultural-artistic fields, however, such a solution will hardly be practical, because many realia characteristic of particular countries and regions cannot be adequately redered in any but the corresponding national languages. The affinity of the Spanish and Portuguese culture and the socio-economic, linguistic, cultural and historical propinquity of the Latin American nations emphasise the importance of developing a bilingual Spanish/Portuguese thesaurus which will reflect above all the realia of these two regions, but also general scientific terms. A provisional action plan for establishing a common set of indexing languages and information systems for Spain, Portugal and the Latin America is presented, which includes the following basic items: (1) to develop Spanish- and Portuguese-based common indexing languages which will rely on a macrothesaurus and specialised thesauri suitable for information interchange within automated or semi-automated networks; (2) to develop an information metalanguage (possibly based on FID's Broad System of Ordering) for exchange of multidisciplinary STI; (3) to provide for thesaurus compatibility by the use of numerical codes; (4) to develop a Spanish/Portuguese and Portuguese/Spanish automatic translation system which will handle at least the terminology covered by the thesauri. The organisational aspects of the action plan are outlined and its phases are formulated. Two Latin-American experiences in developing international thesauri are reported in health (MISCA) and in education (CENDIE). Fragments of the two thesauri are presented.

0260

RODRÍGUEZ DELGADO, Rafael. Teoría de sistemas y tesauros facetados. R. Esp. Doc. Cient., 1(3):213- 24, 1978.

If scientific ideas are according to general systems theory, the ambiguous concept of 'facet' can be considered as 'criterion for classification'. These criteria can facilitate information

processing and retrieval. Contains 3 brief examples of this approach in relation to physics, biology and economics.

0261

ROGERS, Virginia G. Thesaurus construction: an introduction. Drexel Library Quarterly, 8(2):117- 24, Apr. 1972.

0262

ROMAIN, Jean-François. Principes d'établissement d'un thésaurus de presse à partir d'un fichier matières. Paris, C.N.A.M., 1980. 110 p.

0263

ROSENBAUM, Hans Dieter. The coordination of thesaurus work in the German Democratic Republic; a contribution to improving efficiency of information. Dok. Inf., 19:5-14, 1972. Em alemão.

Hace énfasis sobre la coordinación necesaria en un tesoro en campos tales como la electrónica, la maquinaria pesada, la construcción de vehículo, la agricultura. El tesoro del Consejo de Ministros en la RDA da los descriptores y relaciones de concepto para el planeamiento y manejo de procesos industriales y es la base para un tesoro coordinado.

0264

ROY, P. B. & BANERJEE, S. B. Basic considerations for designing a thesaurus for an information system for social science subjects with special reference to Jute trade. In: SEMINAR on Thesaurus in Information Systems, Bangalore, 1-5 dezembro 1975. Papers. Bangalore, Documentation Research and Training Center, 1976. p. A 62-A 79.

0265

SAGER, J. C. et alii. Guidelines for the establishment of comparison and compatibility matrices between thesauri in the social sciences, submitted to the Unesco Division for the International Development of Social Sciences. Manchester, University of Manchester, Institute of science and Technology, 1981. 3 vols.



0266

SAGER, J. C. et alii. Thesaurus integration in the social sciences. Part I: Comparison of thesauri. Int. Classif., 8(3):133-38, 1981.

On établit des critères pour comparaison de thesaurus. On considère la structure générale (couverture, classification, hiérarchies), la structure linguistique (termes et descripteurs, relations) et les caractéristiques formelles (typographic, codes, symboles).

0267

SAGER, J. C. et alii. Thesaurus integration in the social sciences. Part II: Stages towards integration. International Classification, 9(1):19-26, 1982.

0268

SAGER, J. C. et alii. Thesaurus integration in the social sciences. Part III: Guidelines for the integration of thesauri. International Classification, 9(2):64-70, 1982.

0269

SCHEEL, Hans. Quantitative relationen zwischen deskriptoren und nichtdeskriptoren in thesauri. (Relations quantitatives entre descripteurs et non descripteurs dans les thesauri). Informatik, 28(4):27-9, 1981.

0270

SCHNEIDER, Klaus. Thesaurus zur Erschliessung von Musik nach Anlass, Zweck und Inhalt ein Projekt des Deutschen Bibliotheksinstituts (DBI). (Thesaurus of music classification according to motive, purpose and content. A German Library Institute project). Forum Musikbibliothek, 1:27-34, 1980.

The need for a definitive thesaurus of music has been recognised for many years and various steps have been taken towards a more comprehensive method of cataloguing musical content. The German Library Institute (Deutsche Bibliotheksinstitut (DSI) has been working on a thesaurus of music since 1978. One of the greatest difficulties in the preparation was deciding which criteria were necessary for indexing music titles. Work started by collec-

ting material and examining each title to see whether it contained certain concepts which referred to the content. These formed the empiric base for the thesaurus vocabulary. The thesaurus will contain 500-600 terms which will be the future preferred indexing terms. The project is not yet completed but is ready to be tested by the municipal music library in Munich in the framework of their cataloguing activity.

0271

SCHUCK, H. J. Linguistic aspects in the translation of thesauri. In: EUROPEAN CONGRESS ON INFORMATION SYSTEMS AND NETWORKS. 3., Luxembourg, 1977. Overcoming the language barrier. Proceedings. München, Verlag Dokumentation, 1977. v.1. p.447-62.

A characteristic feature of such work is that the translation does not relate to isolated terms, as in a dictionary, but to terms arranged in equivalence classes or networks of relations. The status of the terms within a class or a network (descriptor, USE reference, broader term, narrower term) in two or more languages may differ; gaps, additions, and also artificial concepts may be required in the target thesaurus. This is due to the fact that the representation of relations between concepts and their terms-by definition an indispensable criterion of a thesaurus -is based on the thought and semantic structure of any given language. Translating a thesaurus, whether for collecting material or for use as a documentation language for indexing and retrieval, is not the optimum way of building up a multilingual system. The aim should be an a priori compilation of bilingual or multilingual thesauri in international working groups, during which the descriptors and their relations are simultaneously established in more than one language.

0272

SCIBOR, Eugeniusz. Principles of building a national system of thesauri in the GDR. Akt. Prob. Inf. Dok., 18(1):16-20, 1973. Em polones.



0273

SEETHARAMA, S. Term-concept relationship in an information retrieval thesaurus. Library Science with a slant to Documentation, 13(2):67-73, June 1976.

0274

SEL'DESEV, V. N. et alii. The development of a bilingual thesaurus and a common information retrieval language in nuclear science and technology. Probl. atomiz. abrab. nauc - techn. inform., 10:40-7, 1978. Em russo.

Discussion of the development of the thesaurus and the process of enriching its vocabulary with new trends.

0275

SERRANO, Nitzia Gicela B. Modelo de um thesaurofacet em arquitetura. Rio de Janeiro, s.ed., 1979. 146 f. Te se.

0276

SHCHEKHTAMAN, N. A. Chastotnost slova i ego pozitsiya v tezauruse. (Word frequency and its place in a thesaurus). Nauch.-Tekn Inform. Ser. 2, 5:20-1, May 1978.

A technique for distribution of words among thesaurus subject headings on the basis of a correlation of semantic and formal parameters of words is suggested. For the formal feature, the word frequency is used. For the semantic feature of a word its ability of being a member of contextual pair according to the principles "interpretation", "graduation", "opposition", "specification", and "evaluation" is taken.

0277

SHEKHTMAN, N. A. Sur un principe d'extension et d'approfondissement du thesaurus. Naucno-teh. inf. - vses. inst. naucn., teh. inf., Ser. 2, 7:10-2, 1981. Em russo.

0278

SIDORCENKO, V. D. Semanticheskaya struktura tezaurusov: sovremennoye sostoyaniye i napravleniye ee sovershenstvovaniya. (Semantic structure of a thesaurus: state of the art and development trends). Naucno - techn. inform., Ser. 2., 9:3-12, 1976.

A thesaurus is defined as consisting of: (1) a set of meaningful elements (vocabulary); (2) a connecting system of lexico-semantic relationships; (3) a conceptual system, characterised by breadth of subject coverage and fullness of vocabulary. The trends in thesauri are towards more precise concept representation more levels of hierarchy, the construction of systems connecting relationships, and wider coverage. The increase in computer storage capacity is seen as offering possibilities for the creation of new thesaurus structures.

0279

SOERGEL, Dogobert. Indexing languages and thesauri construction and maintenance. Los Angeles, Melville publ., c1974. 632 p.

0280

SOKOLOV, A. V. The design principle of facet-block thesauri. Inform. jasyki. p. 222-43, 290, 1975. Em russo.

Different thesauri are made compatible by a standard facet-block structure built into their semantic organization. A general-purpose list of facets and descriptor blocks is given.

0281

SOKOLOV, A. V. Ob adnom vozmozhnom podklode k obespecheniyu soomestimosti IPT: universalnaya tabula informatsionnopoiskovykh tezaurusov. (A possible approach to ensuring IRS compatibility: universal "fable" for information thesauri). Naucno-techn. Inform., Ser. 2, 1:19-24, 1979.

Examines the possibility of constructing compatible information retrieval thesauri by means of a set of categories based on a universal, subject-independent scheme of facets. Provi-



sion is made for special subfacets to allow for the migration of terms between subject fields. The scheme has been used to construct thesauri in various areas of engineering. A comparison with the ERIC (Educational Resources Information Center) Thesaurus is used to assess the scheme's universal applicability.

0282

SOKOLOV, A. V. Some problems in the type design of IR thesauri. Struktur i. Prikl. Lingv., 1:172-81, 1978. Em russo.

The type design should be such it allows for compatibility among different thesauri. An IR thesaurus "plot" is introduced to mean the scheme of facets and lexical blocks, representing the thesaurus contents.

0283

SOKOLOV, A. V. et alii. Opyt razrabotki sovместimykh uzkotematicheskikh informatsionnopoiskovykh tezaurusov. (An experiment with the construction of compatible narrow subject field thesauri). Nauch.-Tekh. Inf., Series 2, 10:5-12, 1978.

The purpose of the study was to develop a methodology of the construction of compatible, narrow subject field thesauri for the projected automated scientific technical information system (ASTIS) at the Ministerstvo morskogo flota (Marine Ministry). As the emphasis was on compatibility an experiment was conducted into the use of facet-block type of information retrieval language (IRL). Its distinctive feature is the grouping of terms of mutually exclusive facets, blocks and sub-blocks. The system requires that general subject categories (i.e. those with interdisciplinary meaning) are identified and used as bases for the thesauri of narrow subject fields. Each individual interchangeable section can be transferred from one thesaurus to another. Experiments showed that the construction of compatible thesauri is feasible although the work cannot, at this stage, be considered completed. Outstanding problems are listed.

0284

SOUZA, M. L. R. de et alii. Metodologia de versão objeto de tesouros multilingues. In: CONGRESSO LATINO AMERICANO DE BIBLIOTECONOMIA E DOCUMENTAÇÃO. 1., Salvador, 1980. Anais. Salvador, FEBAB, 1980. v.1. p. 181-95.

0285

SPRINGL, W. Die Entwicklung eines mehrsprachigen Informations - Recherche-Thesaurus für das Fachgebiet Schwarmmetallurgie. (The development of a multilingual IR thesaurus for ferrous metallurgy). Dok/Inform., 49:26-31, 1980.

Work is currently under way on a multilingual IR thesaurus within the framework of the INTERSTAL international information system, to which the GDR, Poland, the USSR, Yugoslavia and Czechoslovakia are making contributions. The terminological source is provided by a Russian language thesaurus in ferrous metallurgy which contains 18,000 lexical units. The thesaurus development project comprises several stages: 1) translation of terms from Russian into the national languages of the participating countries; 2) categorisation of the vocabulary; 3) structuring of concepts within categories; 4) thesaurus control and testing. The constitution of each stage and its current state of development are discussed. The first stage has been completed. Mention is made of some of the more serious problems (typically linguistic ones) which have had to be surmounted in carrying out the first stage. The categorisation of the vocabulary consists in assigning terms to particular categories and ordering them within their categories. So far, a term card index using A6 cards marked with category numbers has been compiled. Structuring within a category refers to the identification of paradigmatic relations between terms, identification of the head concept (descriptor) of a paradigmatic group, and the construction of a hierarchy of terms. The principal problem in the development of a multilingual thesaurus is to correlate the terms and paradigmatic groups among the different languages. It is



concluded that the construction of a bi-and multilingual IR thesaurus simply by translating an existing monolingual thesaurus is impracticable; constant cooperation between all the contributing countries is essential in the development of a multilingual thesaurus. Depth of structuring is governed by the language which has the fewest means of expression.

0286

SPRINGL, W. Entwicklung eines mehrsprachigen thesaurus. (Development of a multilingual thesaurus: a summary.) Dok. Inform., 45: 152- 53, 1979.

Reports on the current work on a multilingual thesaurus for the Informstal (Ferrous Metallurgy) information system. Enumerates the tasks for which the thesaurus is designed and describes the four main steps in its development programme.

0287

SRIDHAR, M. S. A mathematical approach to relations in thesauri. Journal of Library & Information Science, 5:76-87, June 1980.

Presents a brief background of set theory and relations including equivalence and ordering relations. Proposes four working hypotheses concerning with thesauri relations (USE,UF,NT, BT, GS & RT) and examines these relations against the characteristics of relations defined in Mathematics. Explores the possibility of generating equivalence class of descriptors from a single descriptor to aid information/document retrieval. Provides a new mathematical approach to thesaurus and its relations and compares it against traditional way of representing thesaurus. Proposes new areas for investigation in this direction.

0288

STILLFRIED, R. Thesaurus construction at the Austrian Federal Army. In: Osterr. Ges. f. Dok. u. Inform. (OGDI): Erster Osterr. Dokumentationstag. Wien, 1974. p.90- 2. Em alemão.

0289

SUDARSHAN, B. Development of reference retrieval system with simultaneous building up of thesaurus for industrial information centres. Library Science with a Slant to Documentation, 16(3):77-83, Sept. 1979.

0290

SYDORCHENKO, V. D. On the construction of a descriptor model. Annals of Library Science and Documentation, 21(4):142- 45, Dec. 1974.

0291

TAKEDA, Y. Compilation of a remote sensing thesaurus. Libr. Inf. Sci., 16: 185-96, 1978. Em japonês.

Descriptor terms were selected from Proceedings of the Intern. Symp. on Remote Sensing of Environment, 1969-1973. A KWIC index was compiled to gauge frequency of word appearance.

0292

TAVARES, Regina Helena. Panorama da experiência brasileira na adaptação à língua portuguesa de Thesauri internacionais de ciências sociais. In: SOCIEDADE BRASILEIRA PARA O PROGRESSO DA CIÊNCIA. Reunião Anual, 29., São Paulo, 1977. Simpósios. São Paulo, SBPC, 1980. p. 1-4.

0293

TEIXEIRA, Edmundo E. A utilização do INIS thesaurus. In: SOCIEDADE BRASILEIRA PARA O PROGRESSO DA CIÊNCIA. Reunião Anual. 29., São Paulo, 1977. Simpósios. São Paulo, SBPC, 1980. p. 12- 7.

Alguns problemas relativos à indexação de documentos técnico-científicos são abordados, tendo em vista principalmente a utilização de computadores para a distribuição seletiva e a recuperação dessas informações.

0294

TEREBESSY, Ákos. Két és több nyelvi tézaurus készítésének tapasztalatai az építésügyi tájékoztatásban. (Experiences in preparing bi-or multilingual thesauri for the building industry). Könyvtári Figyelő, 23(1-2): 51- 8, 1977.



Thesauri for special fields are popular all over the world in all sections of industry because dictionaries are not sufficiently subject-oriented to explain trade peculiarities. It is especially important for Hungary and the other East European countries as the language differences are enormous. The preliminary work on the International Thesaurus for Building Matters began in 1969. A bilingual basic thesaurus was compiled in 1972 in German and Russian, containing 10,000 descriptors with 13 main subject divisions and 275 subdivisions. The other national thesauri were then compiled, coordinated indexing regulations were laid down, and the coding system was designed. The entries are in 2 parts: a 6-figure identification code number and a verbal description. The code is independent of language and searching can be carried out either on code or description.

0295

TERRAZ, F. Construction of a vocabulary common to member of a documentation network for agricultural economy. Paris, Mem. INTD, 3<sup>rd</sup> cycle, 1973. Em français.

Describe los objetivos, dificultades, posibles soluciones para la formación de una red de información nacional. La escogencia de un lenguaje documental común llegó a un control de lenguaje: el tesoro común. Describe el tesoro, su construcción, uso y manejo.

0296

THOMAS, Peter A. Some problems in compiling a thesaurus of transportation and planning terms. Aslib Proceedings, 23 (11):595-606, Nov. 1971.

0297

TOLDI, D. Radovi na sastabyjanju tezaurusa za obradu podataka iz oblasti ekonomije, drustvenog razvoja i samoupravljanja. (Règles d'élaboration des thésaurus pour le traitement des données dans les domaines de l'économie des affaires nationales et de l'administration). Informatol. Yugosl., 13(1-4): 153 - 56, 1981.

Conception et importante des thesaurus. Règles pour l'introduction des thésaurus et importance pour la recherche documentaire automatique.

0298

TOMITA, Tetsuo & HATTORI, Kazutoshi. Compilation of thesaurus and total index of "Nihon Kagaku-Gijutsu - Shi Kaikei" and analysis of its documents. International Classification, 2(1):11-21, May 1975.

A thesaurus for the source books Nihon Kagaku-Gijutsu-Shi Taike (History of Science and Technology in Japan from 1850-1960) was compiled comprising 4819 Keywords. The characteristics of a thesaurus for historical documents were analyzed and names of persons, organizations, laws, geographical places, social tendencies, events and other proper names, as well as chronological data were found important and adopted as key words. Natural and single words were selected from the index of every volume (25 volumes, 32,243 words) and arranged both in a list of loosely grouped facets of classification and in a list according to the order of the Japanese syllabary. After compiling the total index by the thesaurus, 46277 documents were analyzed with the classified keywords. The analyzed distributions of keywords well explained the developments of science and engineering in modern Japan. Data on the contributions of politics, laws, administrative organizations, research institutes, universities, etc. for science, engineering and daily life including civil and medical activities are explained in figures and keyword-distribution graphs.

0299

TOWNLEY, Helen M. & GEE, Ralph D. Thesaurus-making: grow your own word-stock. London, A. Deutsch, 1980. 206p.

Defines the role of the thesaurus and provides an aid for its construction and usage. Explains the theory behind the compilation of a word-stock and applies these principles to the specific example of a legal thesaurus, going through the stages of its growth. Presents tips on evaluation of thesau-



rus effectiveness, and discusses methods of maintenance and updating. Also discusses the contribution that computers can make to the process.

0300

TUNICKIJ, E. M. Developing a thesaurus for a computer-based data bank. Standarty i kacestvo, 4:64-7, 1978. Em russo.

The language chosen for description of the economic indicators is a descriptor-facet language featuring some hierarchical classification traits based on elements of the statistical indicator information language. The design methodology, content and structure of the thesaurus meant for national economic planning at a state planning level are described.

0301

UNESCO. Division for the International Development of the Social Science. Consultative Meeting on the Establishment of an Integrated Thesaurus of the Social Sciences, Paris, 9-11 June, 1980. Final Report. Paris, 1980. n. p.

0302

UNGVÁRY, Rudolf. Structural basis of thesaurus systems to be formed from thesaurus modules. Special field and analytical-synthetical system of the classification of concepts. Informatika, 3:3-12, 1974. Em hungaro.

Division of subject fields of thesaurus systems and the principle of the thesaurus modules. Adoption of the principle of faceted analysis.

0303

UNGYÁRY, Rudolf. Tezaurusz - technologia: az információkereső tezauruszok készítésének folyamata. (Thesaurus technology: process of the preparation of thesauri for information search). Budapest Országos Széchényi Könyvtár, Könyvtártudományi és Modszertanikozpont 1979. 277 p.

A methodological guide for the construction of thesauri. A list of thesauri (some 16) compiled in Hungary as well as short description of them is included.

Information: National Széchényi Library, Centre for Library Science and Methodology, Múzeum utca 3, H-1827 Budapest VIII, Hungary.

0304

VAN SLYPE, Georges. The qualitative and quantitative characteristics of monolingual and multilingual thesauri. In: EUROPEAN CONGRESS ON INFORMATION SYSTEMS AND NETWORKS. 3., Luxembourg, 1977. Overcoming the language barrier, proceedings. München, Verlag Dokumentation, 1977. p. 403-15.

0305

VAN SLYPE, Georges et alii. Elaboration du thesaurus de descripteurs. In: Systemes documentaires et ordinateurs. Paris, Les Editions d'Organisation, 1973. p. 79-89.

0306

VIET, Jean. Intégration de thesauri dans le champ du développement économique et social. In: SOCIEDADE BRASILEIRA PARA O PROGRESSO DA CIÊNCIA. Reunião anual. 29., São Paulo, 1977. Simpósios. São Paulo, SBPC, 1980. p. 4-12.

A revised edition of the 1973 OECD thesaurus of descriptors in the field of economic and social development is to be published in French, English and Spanish early in 1978. This involves deletions, corrections and up to 2,000 additions. Newly acquired data for computer entry have been recorded on punched cards. Consultation with specialised organisations has been necessary, and the work of revision has indicated that allowance must be made for unforeseen trends. Abstractors will continually be consulted, and adaptations must be made to meet demands. It is increasingly important that a single body should manage the thesaurus, and that the multilingual thesaurus and other related thesauri should be recorded in computer-readable form to facilitate comparison and amendment.

0307

VILENSKAYA, S. C. Systematic approach as a principle of thesaurus building on the basis of the subject headings language. In: INTERNATIONAL STUDY CONFERENCE ON CLASSIFICATION RESEARCH, 3., Bombay, 1975. 23 p.

0308

VILLAR, M. O. Construcción de tesauros. Santiago, Comisión Nacional de Investigación Científica y Tecnológica, 1975. 34 p.

0309

VINOGRADOV, S. N. et alii. Particularités des moyens linguistiques d'un système d'information scientifique automatisé sectoriel de l'industrie des matériaux de construction. Naucno-teh. inf.-Vses, inst naucn. tech. inf. Ser. 2, 2:11-5, SUN, 1981. Em russo.

Les principaux composants du support linguistique d'un système automatisé sont étudiés. Le langage documentaire comprend des substantifs et des adjectifs mais également des identificateurs précisant la qualité et la marque des matériaux ainsi que leurs caractéristiques, ce qui permet un accès factuel. Pour l'établissement des relations linguistiques, on utilise une classification à facettes. La méthode dynamique de compilation du thésaurus est décrite. La recherche peut se faire à partir des caractéristiques bibliographiques matières ou factuelles du document. Les possibilités de compatibilité avec d'autres systèmes sont analysées ainsi que les améliorations envisageables.

0310

VITUCHNOVSKAJA, A. A. A contribution to the theory of information retrieval thesaurus compatibility. Naucn. e techn. biblioteki SSSR, 11: 6-13, 1976. Em russo.

A thesaurus development theory is advanced whereby a thesaurus is built from large 'semantic units'. One unit may form a part of different specialised thesauri, thereby providing for vocabulary interchange and thesaurus compatibility.

0311

WELLISCH, Hans. A flow chart for indexing with a thesaurus. Journal of the American Society for Information Science, 23(3):185-94, May/June, 1972.

0312

WILLETTS, Margaret. An investigation of the nature of the relation between terms in thesauri. Journal of Documentation, 31(3):158-84, Sept. 1975.



**AUTOMAÇÃO**  
**AUTOMATION**

0313

ALBER, F. & HEAPS, D. "Classifying, indexing and searching resource management information via an on-line thesaurus". In: AMERICAN SOCIETY FOR INFORMATION SCIENCE. Western Canada Chapter. Annual Meeting. Calgary, 1971. Proceedings. Calgary, Information Systems, University of Calgary, 1971. p. 107-16.

0314

ANDREEV, V. D. & ENGLIN, Ju. N. The flow diagram of thesaurus development and use during the design and operation of an experimental automatic data bank of the RSFSR, State Planning Committee MIS. Effektivn. obscestv. proiz-va i planir., Vyp. 22. Moskva, 1975. p. 121-31.

Description of an IR language for formalized and unique description of economic indices constituting the factographic stock of the Automatic Data Bank mentioned.

0315

ANDREEVSKY, A. & FLUHR, C. Automatic indexing. Automatic construction of thesauri. Automatic classification. Saclay, France, C.E.N., Service de Documentation, 1975. 32 p. Em français.

Review of the principles of automatic indexing as defined in different publications. Synthesis of these compared with the works of a Soviet group in the Institute Inform. Electro. of Moscow. Examination of the mathematical and linguistic problems in the automatic construction of thesauri and automatic classification.

0316

ANTOPOL'SKII, A. B. et alii. Issledovanie metodov avtomaticheskogo poiska leksicheskikh peresecheniĭ informatsionno-poiskovikh tezaurusov. (A study of automatic methods for the identification of lexical overlaps among information retrieval thesauri.) Naucno-techn. inform. Ser 2, 2:14-7, 1979.

The concept and types of lexical overlaps among information retrieval thesauri are examined. The following techniques of overlap identification are investigated: a search leading to word-form matches in thesauri lexical units, and a search leading to stem matches in automatically derived morphemes as well as statistical surrogates of varying length. Algorithms for morphemic and statistical analysis of lexical units are presented. The specific concept of relevance and, consequently, of recall and precision in searching for lexical overlaps is discussed, as well as the overlap multiplicity in different thesauri. It has been experimentally demonstrated that the pattern of the overlap multiplicity distribution curve does not depend on the power of the overlap identification techniques. Recall and precision ratios for the various search modes are given.

0317

ARZIKULOV, Ch. A. et alii. An automatic system for thesaurus-aided annotating of scientific and technical documents. Naucno-techn. inform. Ser. 2., 12:12-20, 1978. Em russo.

Describes an experiment on the automatic generation of Russian abstracts of French scientific and technical documents. The 'Thesaurus aided abstracting of scientific and technical documents' (TAND) system is based on the use of an automatic dictionary and a thesaurus semantic network. 2 algorithms, previously established for automatic text processing, were further developed for the purpose. Entered into the computer they provide the basis for the development of an algorithmic user-computer dialogue which results in the computer generating an abstract.

0318

ASKINAZI, L. G. & YAKOVLEV, O. E. Tezaurus i ego primeneniye dlya poiska tekhniko-ekonomicheskikh potkazatelei v banke dannykh 'ACU-svyaz'. (The thesaurus and its application for retrieval of technical and economic data in MIS). Nauch.-Tekh. Inf., Ser. 2 2:23-6, 1978.



The role of technical and economics data management information systems (MIS) is discussed. Principles of Keyword lists, descriptor vocabularies and thesauri and their role in information processing in MIS are outlined. The thesaurus is represented by a computer file of subjects and a computer file of attributes. 3 methods for the construction of these files are compared: REGIONAL 1, REGIONAL 3., and INDEXED. The thesaurus constructed with the aid of the INDEXED method takes up limited disc space and access time is acceptable. The INDEXED method is therefore chosen as most suitable for the automatic coding of descriptors representing technical and economic data in MIS.

0319

ATHERTON, P. et alii. Integrating Borrowed records into a database: impact on thesaurus development and retrieval. Database, 3(4):26-35, 1980.

0320

BARNES, C. I. et alii. Automatic indexing using the SLC-II system. Inf. Process. Manage., 14(2):107-19, 1978.

Abstract- This paper presents an outline of the concepts and facilities of SLC-II, a basic support for R & D in automatic documentation and language translation, and gives a detailed description of its use in automatic indexing. The design and running of a full-scale pilot project on automatic indexing of INIS Atomindex material, done in cooperation with the IAEA and Inspec. will be described, as well as a parallel experiment in the effectiveness of "thesaurus enrichment" by semiautomatic means.

The SLC-II system aims to provide the user with a programming language using terms current in his application area, providing him with the maximum possibilities for linguistic analysis, in particular syntactic analysis, while removing from him the problems of data organization, dictionary access, program control and execution and input/output.

The first part of the experiment is designed to compare the effectiveness of automatic indexing with "manual"(or

"intellectual") indexing. In order to minimize the differences between an automatic and a manual system, the terms are chosen from a pre-existent thesaurus, namely the INIS Thesaurus. The data consists of 6 issues of INIS Atomindex. The main difference between the two systems is that the computer only "sees" the abstract while the indexer usually has access to the complete paper.

The second part of the experiment aims at comparing automatic indexing using a preexistent thesaurus as it stands, with automatic indexing using the same thesaurus "enriched". By enrichment we mean the augmentation of the thesaurus with terms selected from the texts being processed.

For practical reasons this part of the experiment was restricted to a single subject area, isotope separation. The test collection consists of material from ENDS.

The paper was originally presented at the Sixth Cranfield International Conference on Mechanized Information Storage and Retrieval Systems.

0321

BLANCO, J. M. Construction experience with an agricultural thesaurus in the Republic of Cuba. Bjul. nauch. inform. MS AGROINFORM., 4(4):136-39, 1977. Em russo.

Description of the methods used in a thesaurus construction for computer handling comprising some 4338 terms.

0322

BOLLMANN, P. & KONRAD, E. Automatic association methods in the construction of interlingual thesauri. In: EURIN II. A European Conference on the application of Research in Information Services and Libraries. Amsterdam, 1976. Proceedings. London, ASLIB, (1977). p. 152-55.

Experimental work based on bilingual material. Methods are compared by using measures of distance between association graphs.



0323

BONNICHON, Monique et alii. Preparation of an EJEC-type thesaurus from the body of syntagma used by CDIUPA. Final report. Paris, Centre National de la Recherche Scientifique, 1973. 2v. Em francès.

El tesauro fue construido por métodos automatizados en tres fases: preparación de los programas de computador; procesamiento del conjunto por medio de los programas; prueba y mejoramiento del tesauro. Describe los diferentes pasos y los resultados de la publicación del trabajo terminado.

0324

BRUANDET, M. F. A propos de la construction automatique d'un thesaurus dans un systeme de recherche d'information (systeme documentaire). Grenoble, Université de Grenoble, Institut National Polytechnique de Grenoble, 1980. 52 p.

0325

CAIN, Alexander M. Thesaural problems in an on-line system. Bull. Med. Libr. Ass., 57(3):250-59, July 1969.

0326

CAPLAN, P. Thesaurus-based automatic indexing: a study of indexing failure. Chapel Hill, School of Library Science, University of North Carolina, 1978. Thesis.

0327

CATALA, P. Constitution d'un thesaurus en droit social, en vie de l'automatisation de la documentation juridique; rapport de synthèse. Montpellier, Institute de Recherches et d'Études pour le Traitement de l'Information Juridique de l'Université de Montpellier, 1975. 130 f.

0328

CEJPEK, Jiri. Od tezauru k metodě uplného textu. (From the thesaurus to the fulltext method). Ceskoslovenská, Informatika, 20(9): 238-45, 1978.

The full-text method is described as one for automatic searching for particularly detailed information contained in large files of frequently used docu-

ments. The method should not be put in direct contrast with retrieval languages based on descriptors. The basic operations of the full-text method and the method using a thesaurus are compared. Both methods are evaluated from the point of view of the precision and completeness of the information output. Since future development points towards a higher degree of automation in full text information retrieval the variants of the full-text method are likely to be used more often. This method, however, cannot dispense with the linguistic issues connected with the construction and use of the thesaurus.

0329

CHABRAN, Richard. Thesaurus considerations for a national Hispanic data base, a report. 1979 March 29. 33p. Ref. EDRS: ED 184 769.

Monographs, periodical literature, documents, unpublished reports, and non-print materials in both English and Spanish would be included in a proposed Hispanic data base built around an initial 15 contributing Collection totaling an estimated 100,000 items. Because users would employ indexing terms to access the data base, a thesaurus is essential for vocabulary control. Thesaurus guidelines are needed to control syntactical, semantic, and generic problems. The thesaurus, produced and updated by computer, would be organized in four sections: a principal alphabetical display of all terms supported by a rotated display, a hierarchical display, and a descriptor group display. Thesaurus updating, use, and personnel training should be managed in a manner similar to that of ERIC. Instead of creating an entirely new thesaurus or accepting should serve as a baseline document and certain areas should be developed in greater detail. A list of tasks leading to revision of the thesaurus is included, along with a bibliography.

0330

CHAUMIER, G. & FOURTEAU, P. Le traitement des thésaurus à schémas fléchés par l'informatique graphique interactive. Documentaliste, 16(1):9-14, Jan./Feb. 1979.



Graphic representation, outdated by computer generation of thesauri may now be used for automated control of lists and diagrams. Arrow diagrams can be used to show relationships in a semantic field. Mini-computers can be employed to create, revise and store diagrams, using a visual unit capable of producing lines and reproducing designs rapidly on paper. Design is by juxtaposition of simple geometric shapes, a stylus being used on a paper grid to select the shape and its position. The result can be printed or stored on disc. L'Électricité de France used this system to construct and optimise its thesaurus. The system could be of benefit for compiling multilingual thesauri, indexing documents and formulating searches.

0331

CIGÁNIK, Marek. Informačné systémy založené na spracovaní textových dát. (Information systems based on textual data processing). Kniznice a Vedecké Informácie, 9(4):149-57, 1977.

On the basis of cited references, the theory and methodology of facet thesauri are formulated. The content of any document is considered a thesaurus, if it can be formally described. Each thesaurus is connected with a regular method of document analysis-algorithms. A change in the thesaurus can be described as a process of learning. A thesaurus covers 3 levels-the richer its structure the more information it can process. A formal model of a thesaurus can be conceived with the help of 3 sets: the set of predicates, that of objects and that of events. The thesaurus can also be explained with the help of a set relational model or can be characterised as an applied predicate calculus. Semantic information theory is the principal theory for the modelling of social communication information. The theory of set entities as data structures and the accessing of data base systems is explained.

0332

CRAVEN, Timothy C. A NEPHIS thesaurus for computer generation of permuted cross references. In: AMERICAN SOCIETY FOR INFORMATION SCIENCE. Annual Meeting. 41., New York, NY, 1978. The information age in perspective: proceedings. Washington, ASIS, 1978. v. 15, p. 79 - 82.

NEPHIS (NEsted PHrase Indexing System) is a computer-assisted system for producing printed indexes. Although NEPHIS makes no provision for the generation of cross-references, one of several possible ways to incorporate cross-references into a NEPHIS file is through the use of a machine-readable sequential-access thesaurus file.

0333

CRAWFORD, Robert G. Automatic thesaurus construction based on term centroids. Can. J. Inf. Sci., 4:124 - 36, May 1979.

After a review of previous research in automatic thesaurus construction, the problem of what properties of terms are to be used to group terms is discussed at length and the notion of term centroids is examined. Clustering is discussed briefly with particular regard to the single-pass approach. Retrieval results achieved using fully automatically constructed thesauri are presented.

0334

DEHNHARD, H. Problems of establishing a general thesaurus based on the UDC using electronic data processing. Mitt. Ges. f. Bibl. wes. u. Dok. d. Landbanes, 21:55-68, 1974. Em alemão.

0335

DEVADASON, F. J. & BALASUBRAMANIAN, V. Automated system for generating thesaurus from subject representations. Annals of Library Science and Documentation, 25(1-4):79-85, Mar./Dec. 1978.

The work reported uses a coding scheme developed for augmenting the subject strings to make them suitable for generating a thesaurus. The system is fully automatic unlike earlier sys-



tems. It has 5 phases namely, Coding phase, Term-pair Generation phase, Co-ordinate Term-pair Generation phase, Translation phase and Printing phase. The system is described briefly giving the systems flow chart and inputs and outputs of the different phases together with a sample printout of a model thesaurus generated using test data of about 60 subject strings in telephony.

0336

DEXTRE, S. G. & CLARK, T. M. A system for machine-aided thesaurus construction. Aslib proc. 33(3):102-12, Mar. 1981.

The British Standards Institute ROOT Thesaurus has been developed first of all as a comprehensive indexing and searching tool for technological applications and secondly as a labour-saving device in the construction of further thesauri. The classified section of the thesaurus was prepared first and input to the computer, where it is held in subject order, and from the subject file the alphabetical section was be possible to make use of the system developed and/or part of the existing subject schedules.

0337

DIETZE, Joachim. Die einatz der EDVA bei der erarbeitung von thesauren. (The use of computers in thesaurus compilation). Informatik, 26(4):16-9, 1979.

Using computers in thesaurus compilation involved combination of manual and mechanised processes, resulting in work intensification. A prerequisite for this method is the presence of relevant subject text material which is readable by computer or to be prepared for input; abstracts being particularly suitable. Tests described were made on Russian language abstracts. Computer-made lists of word forms were checked manually in order to determine the suitability of words as descriptors and modifiers. A stop list of unimportant, frequently used words was used to save computer time. The 3 principles involved were: (1) frequency statistics; (2) distribution; (3) word co-occurrence, involving the problems of word relationships,

balancing and cluster analysis.

0338

DILLON, Martin. Thesaurus-based automatic book indexing. Information Processing & Management, 18(4):167-78, 1982.

0339

DILLON, Martin & CAPLAN, P. A technique for evaluating automatic term clustering. J. Am. Soc. Inf. Sci., 31(2):89-96, Mar. 1980.

Reexamines the feasibility of automatic thesaurus generation by establishing a framework for analysing the degree of correspondence between automatically generated thesauri and a thesaurus of the same terms constructed by a team of subject specialists. To test the evaluative procedure, a series of thesauri are generated using the same clustering algorithm and 3 different measures of association. Comparison of relative effectiveness of the generated thesauri to the human standard, determines that substantial differences exist among them.

0340

DILLON, Martin et alii. Use of automatic indexing for authority control. J. Lib. Automation, 14:268-77, Dec. 1981.

0341

DOBAY, S. R. & HEAPS, D. M. Machine-readable subject authority lists and thesauri as aids in classification and concept analysis. In: AMERICAN SOCIETY FOR INFORMATION SCIENCE. Western Canada Chapter. Annual Meeting. 4., Winnipeg, 1972. Proceedings. Ed. by Anne B. Piternick. Vancouver, School of Librarianship, University of British Columbia, 1972. p. 159 - 69.

0342

DOSZKOCZ, Tamas E. Implementing an associative search interface in a large on-line bibliographic database environment. In: FID. Congresso. 39., Universidade de Edingurgh, 1978. New trends in documentation and information: proceedings. London, Aslib, 1980. p.295-97. (FID Publication, n.566).

The US National Library of Medicine has developed a prototype Associative Interactive Dictionary (AID); its primary design objective is the automatic generation and display of related terms, broader and narrower terms and other semantic associations. AID is experimentally available for MEDLINE and TOXLINE. The shared file interfacing of the ELHILL retrieval system and AID has 2 major advantages: no software modifications are needed and full use can be made of ELHILL's Boolean mechanisms. Potential applications include use of associative displays as a search aid and as a controlled vocabulary development tool.

0343

FIELD, B. J. Automatic generation of classification from subject headings using thesaurus file. In: Towards automatic indexing. London, the Institution of Electrical Engineering, 1975. p. 15.

0344

FIELD, B. J. Automatic indexing for multilingual systems. In: EUROPEAN CONGRESS ON INFORMATION SYSTEMS AND NETWORKS. 3., Luxembourg, 1977. Overcoming the language barrier; proceedings. München, Verlag Dokumentation, 1977. p. 469-93.

0345

FIELD, B. J. Semi-automatic development of thesauri using free-language vocabulary analyses. Part 1. London, INSPEC, Institution of Electrical Engineers, 1975. 37 p.

Various techniques were studied for the computer analysis and manipulation of the free-language indexing assigned to documents in a data base to form the basis for the development of a structured vocabulary system or thesaurus based on free-language indexing. The development of an automatic truncation procedure is described and the results of statistical studies on the growth and frequency characteristics of the free-language vocabulary are presented.

0346

FRANCISZEK, Kleszcz. Methods of information retrieval and subject index compilation for abstracting periodicals with the use of a thesaurus enlarged with machine part classification. Bombay, Third International Study Conference on Classification Research, 1975. 9 p.

0347

GREENGRASS, A. R. Information bank thesaurus. In: AMERICAN SOCIETY FOR INFORMATION SCIENCE. Annual Meeting. 41. New York, NY, 1978. Information age in perspective: proceedings. Washington, ASIS, 1978. v.15, p. 137-40.

This paper presents a discussion of what happens to an indexing vocabulary when it must be transferred from a printed to an on-line environment. Also discussed are the particularly troublesome problems that occur when the material being indexed consists of daily newspaper and popular magazine articles.

0348

GRÜNHAGEN, Peter & WINKLER, Hannelore. Forderungen an den mehrsprachigen informationsrecherchetesaurus und ihre Realisierung durch AIDOS-OS/ES. (The demands made on the multilingual information retrieval thesaurus and their realisation through AIDOS-OS/ES.) Informatik, 23(5):32 - 6-1976.

The programming system AIDOS-OS / ES is a combined effort between Council for Mutual Economic Assistance countries towards production, maintenance and printing of multilingual thesauri, in which equivalent terms are linked by cross references. These thesauri make possible multilingual information retrieval and translation of descriptors. The German Democratic Republic hopes to produce these in all subject fields, preferably as Russian-German thesauri. Detailed descriptions of the production of these thesauri are included.



0349

HALFAR, H. & LANGENDORFER, H. Automatische Erstellung und Pflege eines Thesaurus für ein Dokumentationssystem. (Automatic construction and maintenance of a thesaurus for a documentation system). Sprache u. Datenverarb., 1(1):25- 9, 1977.

0350

HARRIS, H. The conversion of Roget's International Thesaurus to an automated data base. In: SEDELOW, S. Y. Automated language analysis, 1972-1973. Lawrence, Univ. of Kansas, Dept. of Computer Science and Linguistics, 1974. n.p.

0351

HENZLER, R.G. Erfahrungen mit Methoden und Modellen zur maschinellen Thesaurusentwicklung. (Experiences with methods and models for computer-based thesaurus development). In: ANNUAL CONFERENCE OF SOCIETY OF CLASSIFICATION, 3., Klassifikation und Erkenntnis II. Proceedings der Vorträge der Sekt. 2 und 3. (Classification and Cognition. II. Proceedings of Papers of Sessions 2 and 3). Ed. by Ingertraut Dahlberg. Frankfurt, 1979. p. 100- 24.

The German version of a multilingual oncological thesaurus was developed in German-French collaboration, financially supported by a project of the BMFT. Based upon the vocabulary of the CANCERNET Literature Information System, 5533 descriptors were used to construct a systematic part and an alphabetic registry, containing about 10,500 entry terms including 4900 synonyms or quasi-synonyms pointing to the corresponding descriptors. From the descriptors there is a pointer to the position(s) in the hierarchical systematic part of the thesaurus. The system is designed polyhierarchically as a tree structure, so descriptors can be listed below various broader terms. In addition to the alphabetic and systematic part, a German-French dictionary was generated. All the information about each descriptor, i. e. key notation, synonyms and quasi-synonyms, the French term equivalent, and

the former German translation were collected alphabetically into a "macrothesaurus". Also some routine programs were developed for the transformation of a hierarchical structure in an alphabetic registry and into the macrothesaurus.

0352

HIROKI, M. Construction and maintenance of a news thesaurus. Zjoho kamri, inform. & doc., 18(8):647- 55, 1975. Em japonés.

One of the functions of an information system for newspaper companies and broadcasting office is to produce automatically thesaurus-based indexes to newspapers.

0353

ILJON, A. Creation of thesauri for EURONET. In: EUROPEAN CONGRESS ON INFORMATION SYSTEMS AND NETWORKS. 3, Luxembourg, 1977. Overcoming the language barrier, proceedings. München, Verlag Dokumentation, 1977. vol. 1. p. 417-37.

The paper reports on the EEC thesaurus development efforts. It has been argued that the compilation of thesauri is unnecessary since most on-line retrieval software (e.g., STAIRS, DIALOG, RECON, etc.) permit freetext searching on all (or some) data fields of a record. Nevertheless, most organizations which produce data bases also index documents in some way with a controlled vocabulary. It is pointed out that on-line retrieval software packages designed solely for free (or full) text systems (for example, STAIRS) and those designed for indexing systems (for example, GOLEM) tend to develop in such a way as to accommodate both approaches: free text with an integrated thesaurus. However, neither free text searches nor the use of a monolingual controlled vocabulary solves the problem of access to bibliographic references in the different EEC languages, nor lends itself to improve cooperation between documentation centres in different parts of Europe, working in roughly the same fields. A "passive" knowledge of a foreign language will not always enable the documentalist to find the optimum strate-



gy for the formulation of his question, especially if the data base only has natural language (free text) search capabilities. The aim of EURONET is to promote cooperation in Europe and to facilitate access to scientific and technical information for the greatest number of European users. Provision has therefore been made within the framework of the EEC Action Plan for the development of suitable multilingual tools, including the compilation of standardised multilingual vocabularies, i. e. thesauri.

0354

ILJON, A. Le logiciel ASTUTE (Automated System for Thesaurus Updating, Testing and Editing): un outil informatique pour la création, la mise à jour, l'édition et l'impression de thésauri mono et multilingues. Documentaliste, 14(5-6):25-33, Sept./Dec. 1977.

ASTUTE, Automated System for Thesaurus Updating, Testing and Editing, was developed to produce multilingual thesauri for EURONET. It is a modular package, written in COBOL, usable on IBM 360-370 and Siemens 7740 computers. It can cope with 5 languages. Possible products are printed or photocomposed thesauri, magnetic tapes, and working lists, all with various options. Details are given of the entry and correction of data, checking, production, translation, development of hierarchic and related terms, trilingual structuring, printing and photocomposition. Procedures are demonstrated by reference to the compilation of 3 quadrilingual thesauri on agriculture, to be published in 1978. Because of the number of variables involved, processing costs and times are difficult to estimate. Correction proves to be a complex operation, and it is proposed that an interactive module be added to facilitate this.

0355

JASPERS, M. Development of a coded-concept thesaurus. Cah. Doc., 31(2-3):103-18, 1977. Em français.

Libraries and information units of Liège University use the technical resources of the Bureau d'Organisation Te

chnique to produce their thesauri, and have evolved an on-line system to incorporate modifications and additions. The thesauri are in the form of alphabetical lists of keywords and associations, with a numerical concept code. Details are given of the production of a thesaurus, and of the process for modification. Additions are facilitated by leaving gaps in the original recording. Appendices reproduce specimen extracts of thesauri, flow-diagrams of procedures, and an example of the on-line dialogue.

0356

JONES, Karen Sparck. Automatic Keyword classification for information retrieval. London, Butterworths, 1971. 253 p.

0357

JONES, Karen Sparck. Automatic thesaurus construction and the relation of a thesaurus to indexing terms. Aslib Proceedings, 22(5):226-28, May 1970.

0358

KAZLAUSKAS, E. J. & HOLT, T. D. Application of a minicomputer to thesaurus construction. Journal of American Society for Information Science, 31:363-68, Sept. 1980.

The use of a minicomputer in various phases of creating the thesaurus for the National Information Center for Special Education Materials (NICSEM) database is described. The minicomputer is used to collect, edit, and correct candidate thesaurus terms. The use of the minicomputer eases the process of grouping terms into files of similar concepts and facilitates the generation of products useful in vocabulary review and in term structuring. Syndetic relations, indicated by assigning coded identification numbers, are altered easily in the design phase to reflect restructuring requirements. Because thesaurus terms are already in machine-readable form, it is simple to prepare print programs to provide permuted, alphabetic, hierarchical, and chart formatted term displays. Overall, the use of the minicomputer facilitates initial thesaurus entry deve-



lopment by reducing clerical effort, editorial staff decisions, and overall processing times.

0359

KIRTLAND, Monika et alii. Integrating borrowed records into a database: impact on thesaurus development and retrieval. Database, 3(4):26-33, Dec. 1980.

Discusses three approaches to thesaurus and indexing/retrieval language maintenance for combined databases: reindexing, merging, and initial standardization. Two thesauri for a combined database are evaluated in terms of their compatibility, and indexing practices are compared. Tables and figures help illustrate aspects of the comparison.

0360

KOROLEV, E. I. Use of the distributional statistical method in the linguistic software of an automated information system. Nauchno - techn. Inform., Ser. 2, (1, 27-31, 1977. Em russo.

Review of the latest studies in the application of statistical distribution methods for the construction of thesauri for automated IRS and during automatic indexing of requests.

0361

LEBELT, W. Ein programmsystem zur rechnerunterstützten thesaurus-pflege. (A program system for computer supported thesaurus maintenance). Rechentech. Datenverarb., 15(6): 21-4, 1978.

Presentation of a method for the rationalization of a steady maintenance of thesauri.

0362

LEBELT, W. Rechnerunterstützte wortselektion als texten als teiler thesauruspflege. (Automated selection of words from texts as part of thesaurus maintenance). Dokumentation/Information, 41:135-43, pt. 1, 1978.

Discussion of the semantic and organisational aspects of thesaurus maintenance. The program used is compatible with the AIDOS software package.

0363

LEONTYENA, N. N. et alii. Slovar'ent siklopedicheskikh funktsii i ego rol' v avtomaticheskome indeksirovanii. (The phrase dictionary and its function in automatic indexing). Nauch.-Tekh. Inf., Ser. 2, 7:23-9, 1978.

A system of automatic indexing based on materials processed by the 'Referat' information retrieval system is described. A phrase dictionary in which semantic relations between concepts within a given subject field are established in the form of phrases rather than single terms serves as the system's vocabulary. Describes the structure of this type of dictionary constructed for the electrical measuring instruments' fields which was tested at the TSNIIETI priborostroeniya Institute in 1970-72. The tests showed that a phrase dictionary of this type can be used in automatic indexing including automatic elimination of homonyms and semantic compression. A comparison of automated document search patterns with manual procedure showed that the quality was as good as in manual methods. The phrase dictionary is especially suited for use in data retrieval as well as for information retrieval.

0364

LINEBAUGH, R. M. 1975 Revision to the thesaurus for EDU Diving Information Center (DIC). Columbus, Ohio Battelle Columbus Laboratories, 1975. 66p. (SUPDIV Report 3-75).

With inputs from the data bases at Diver Equipment Information Center at Battelle Columbus Laboratories and the Undersea Medical Society as well as internal EDU inputs a thesaurus was developed compatible with the indexing terms used in these systems so far.

0365

LOBOVA, L. V. Main principles of building a linguistic software for large automated information retrieval systems for science and technology. In: FID. Congresso. 39., Universitade de Edinburg, 1978. New trends in documentation and information: proceedings. Edited by Peter J. Taylor. London, Aslib, 1980. p. 234-41.



The main aim in building a linguistics software for the Soviet information system is to unite information retrieval (IR) languages into a package which will save money since each document will be indexed once only. Describes the components of the software with particular reference to the rubricator. The nucleus will include basis thesauri and a macrothesaurus with standardised lexicosemantic intersections of basic thesauri. A classified index to the basic thesaurus should be built up by combining fragments from the rubricator with categorial subject headings. So far registration of IR thesauri has been begun and a pilot rubricator has been developed.

0366

LUPNITZ, M. Construction of a thesaurus for a computerised information retrieval system. Tagungs. Dent. Abad. Landwirt., (105):69-79, 1970. Em alemão.

Describe un método para obtener un banco de términos basado en el uso de máquinas que procesan tarjetas de 80 columnas. Más de 50 índices de materiales de la revista Landwirtschaftliches Zentralblatt sirvieron como base, incluyendo alrededor de 1,2 millones de unidades.

0367

MAMEDOVA, M. G. & SKOROKHOD'KO, EH., F. Système automatisé d'analyse d'un lexique terminologique. Naucno-teh. inf.-Vses. inst. naucn. tec. inf., Ser. 2, 1:14-8, SUN, 1981. Em russo.

Construction automatisée d'un thesaurus sur la base d'un dictionnaire terminologique. Un réseau sémantique est proposé comme modèle du thesaurus, un système automatisé d'analyse de la terminologie est construit sur la base de ce modèle.

0368

MARCHALOT, Marie-Louise. A la recherche d'un outil d'interrogation d'un système de documentation automatique: une expérience de thesaurus d'interrogation. Documentaliste, 19 (6):203-7, nov./dec. 1982.

0369

MARKEY, Karen et alii. An analysis of controlled vocabulary and free text search statements in online searches. Online Rev., 4(3):225-36, Sept. 1980.

Over 650 search traces from 18 different ERIC on-line searches using 3 different retrieval systems were analysed. 68% of searches use controlled vocabulary. The vocabulary in 165 free text search statements was analysed to determine whether ERIC descriptors and identifiers were incapable of representing these concepts. 6 categories of search concept which can only be expressed by free text are; geographic areas, recent topics, specific named objects (eg texts), value judgements, action statements and individual or psychological characteristics. On-line free text searches had higher recall and controlled vocabulary higher precision. On-line ERIC searches need new search aids.

0370

MARTIN, W. A. Toward an integral multi-file on-line bibliographic database. J. Inf. Sci., 2(5):241-53, Nov. 1980.

Paper presented at the 6th Cranfield International Conference on Mechanised Information Storage and Retrieval Systems, 26-29 July 77. Describes Attempts to derive a common retrieval vocabulary for data bases received from many different sources in a single carrier language in the context of an experimental data base of 44,000 references. Searching was either by classical controlled vocabulary or by means of an improved natural language technique using terms in the titles and/or abstracts, or any combination of these. Details the improved natural language technique.

0371

MAZET, G. & BERNAD, C. L'automatisation d'un thesaurus de concepts juridiques. Montpellier, IRETJ, IRIA, ISI, 1979.



0372

MAZET, G. & BERNAD, C. La construction d'un thesaurus de banque de données juridiques et ses implications pédagogiques. In: DEMAILLY, A. & FAVRE, D. Approches holoscopiques et hologrammographiques de la pensée (création et transmission des connaissances, communication et traitement de l'information): actes du Colloque montpelliérain sur la logique holoscopique, novembre 1980. Université P. Valéry. Montpellier, CFIP, 1981.

0373

MAZET, G. & BERNAD, C. Le thesaurus de mots ou l'établissement de relations sémantiques entre les termes d'un lexique automatisé. Montpellier, IRETIJ, 1978.

0374

MAZUR, Zygmunt. Inverted file organization in the information retrieval system based on thesaurus with weights. Inf. Process. Manage., 15 (5):227-34, 1979.

The inverted file structure is often used to organise data in an information retrieval system. When the hierarchical relations of the set descriptors and weights of descriptors in a document description are taken into account, the conventional concept of the inverted file can be extended. Studies properties and operations of inverted files which are used in a system based on a thesaurus with weights.

0375

MAZUR, Zygmunt. Properties of a model of information retrieval system based on thesaurus with weights. Inf. Process. Manage., 15(3):145-54, 1979.

Describes a model of an information retrieval system based on a thesaurus with weights. Defines the following: thesaurus, document description, information query, similarity of queries and descriptions of documents, similarity measure and accuracy of response. Discusses the system, particularly its inclusiveness.

0376

MEYER, E. & SENS, E. Transparente Programm-Dokumentation mit Hilfe des IDC-Thesaurus-Verfahrens. (Transparent program documentation by using the International documentation in chemistry thesaurus system). Nachrichtl. Dok., 27(1):7-12, Feb., 1976.

Computer programs are becoming more and more comprehensive and complex, resulting in ambiguity and error. With the computer's help it is possible to make hierarchic representations, reference lists and indexes with easily analysed structures in which alterations can be made without error. The progress of computer technology however, is dependent on program improvements. The IDC Thesaurus software, mainly financed by the Federal Ministry of Research and Technology, was developed for indexing the literature of chemistry but is flexible enough to use without alteration for other scientific fields. Each structural elements are clearly indicated. A detailed description of methods of use is included.

0377

MILDNER, Horst. Der internationale thesaurus für die Land- und forstwirtschaft. (The international thesaurus for agriculture and forestry). Informatik, 23(4):31-3, 1976.

An International Thesaurus on Agriculture and Forestry (ITAF) in Russian and German is being prepared by the automated information system for agriculture and forestry AGROINFORM, which is a branch information system within the International Information System. The activities are fundamentally guided by Normative Technical Regulation No. 3 of the (USSR) International Centre for Scientific and Technical Information, by the desire to achieve optimum search quality within a practical information system, and by necessary organisational materials, e.g. programmes, indexing regulations. Emphasis is on the consideration of lexical-semantic factors and the importance of Russian as the basic language. In its 1st edition ITAF will include approximately 5.000 terms.



0378

MILLER, Peter & ROBERTS, Mike. Let your keywords do the walking. Building, 237(39):59-60, 1979.

Describes an indexing system developed for the construction industry, and based on the Construction Industry Thesaurus (CIT). Keywords from the thesaurus are taken to from a post-coordinate index on peek-a-boo cards. The thesaurus is searchable on-line using keywords as a search base. Further information may be obtained from the CIT Agency, at the Polytechnic of the South Bank, London SW8.

0379

MORISHITA, S. AIDOR on-line instruction document retrieval system. II: AIDOR system and AIDOR instruction thesaurus. Zyoho kanri, 20(9): 703-12, 1977. Em japonese.

The source of this education thesaurus was a frequency vocabulary. Discussion of the term selection rules, disambiguation, synonymy and polysemy resolution methods.

0380

NEELAMEGHAN, A. Non hierarchical association relationships: their types and computer generation of RT links. In: SEMINAR ON THESAURUS IN INFORMATION SYSTEMS, Bangalore, 1-5 december 1975. Papers. Bangalore, Documentation Research and Training Center, 1976. p. A1 - A8.

0381

NEUMANN-DUSCHA, I. & ULENBERG, G. The thesaurus of the European Brewery Convention. In: EUROPEAN CONGRESS ON INFORMATION SYSTEMS AND NETWORKS. 3. Luxembourg, 1977. Overcoming the language barrier: Proceedings. München, Verlag Dokumentation, 1977. v. 1. p. 439- 46.

A report is presented on a multilingual thesaurus which was compiled in two years by an eight-member working group. Two representatives each from English-speaking, German - speaking, French-speaking and Dutch-speaking are as decided in the course of 11 on-week meetings on the selection, translation and the relations of 3,150 descriptors.

The basic vocabulary came from lists of descriptors from four documentation centres. A computer was used to handle the vocabulary, to check the relations, and produce the printouts. Programs were specially developed for the computerised processing of the material. The thesaurus will appear in four sections, corresponding to the thesaurus languages. Each language section will contain the foreword, the rules for construction and use, instructions for the users, and examples of the structure. In the main part the descriptors for the source language in that section are in alphabetical order and occupy the first position in their systematic structure. Next to this there are three columns of translations into the other languages, these columns having the same structure. Similarly, a hierarchical index is printed which rounds off each section. Experience gained during work on the thesaurus is described. It is recommended that this experience be taken into consideration when similar projects are undertaken.

0382

NIEHOFF, R. T. Development of an integrated energy vocabulary and the possibilities for on-line subject switching. Journal of the American Society for Information Science, 27(1):3-17, Jan./Feb. 1976.

0383

PAPOUSEK, Oldrich. Od haslárek vícejazyčnému tezauru v uhelném průmyslu. (From terminological dictionary to multilingual thesaurus in the coal industry). Ceskoslovenská Informatika, 19(9):245- 51, 1977.

In 1969 work began in the Branch Information Centre for the Coal Industry of the Ostrava-Karviná Mines in Ostrava on an automated, descriptor-based information system using an ICL 1905 computer. Documents were indexed on punched cards in 4 classes (matter, activities, abstract terms, proper names) and 9 categories. The result was an alphabetical index. A list of mining terms (in 8 groups containing 22,000 terms) was prepared, incorporating hierarchical relationships. This was com-



pared at the editing stage with the index. Initially, a distinction was made between the system thesaurus and the user's thesaurus. Since 1974 work on the international specialised information system 'Informugol' has been carried out and the Centre has prepared a 2nd version of the thesaurus designed to suit 5 languages. Descriptors, coding system and the system input on 80-column punched cards are described.

0384

PETERSEN, Toni. Computer-aided indexing in the arts: the case for a thesaurus of art terms. Art. Libraries Journal, 6(3):6-11, Autumn 1981.

Paper delivered to the Art Libraries Society of North America Conference, San Francisco, 22 Feb 81. Describes how subject indexing activities in art are being aided by the use of computers; notes the current state of disarray among art subject indexing systems; and suggests that the availability of a standardised vocabulary will provide an important adjunct to computerised indexing.

0385

POOLE, Eric. The computer in determining semantic relationships. Computers and the Humanities, 8:207-16, 1974.

0386

RAVICHANDRA RAO, I. K. Semi-automatic construction of thesaurus. In: SEMINAR on Thesaurus in Information Systems, Bangalore, 1-5 dezembro 1975. Papers. Bangalore, Documentation Research and Training Center, 1976. p. B 16- B 30.

0387

RICKMAN, J. & WALDEN, W. E. Structures for an interactive on-line thesaurus. Int. J. Comput. Inf. Sci., 2:115-27, 1973.

Una estructura de datos para un tesoro de fitopatología es implementado como una cadena de caracteres continuos. Una función de desmenuzamiento es usada para evaluar los términos y los términos relacionados. Describe un esquema de separación por prefijos que permite un acceso de archivo con dele-

treo parcial y define grupos de archivo para mejorar medidas de secuencia alfabética. Propone un sistema general y una estructura de archivo con formatos de exhibición y un lenguaje de mandato del usuario.

0388

ROLLING, Loll. Computer management of multi-lingual thesauri. Bombay, Third International Study Conference on Classification Research, 1975. 13 p.

0389

ROLLING, Loll. Graphic display devices in thesaurus construction and use. Aslib Proceedings, 23(11): 591-94, Nov. 1971.

0390

SALTON, Gerard. Automatic term class construction using relevance- a summary of work in automatic pseudoclassification. Inf. Process. Manag., 16(1):1-15, 1980.

Term classifications and thesauri can be used for many purposes in automatic information retrieval. Normally a thesaurus is generated manually by subject experts. Alternatively, the associations between the terms can be obtained automatically by using the occurrence characteristics of the terms across the documents of a collection. A third possibility consists in talking into account user relevance assessments of certain documents with respect to certain queries in order to build term classes designed to retrieve the relevant documents and simultaneously to reject the nonrelevant documents. This last strategy, known as pseudoclassification, produces a user-dependent term classification. A number of pseudoclassification studies are summarized in the present report, and conclusions are reached concerning the effectiveness and feasibility of constructing term classifications based on human relevance assessments.



0391

SALTON, Gerard. Thesaurus manipulation. In: Dynamic information and library processing. Englewood Cliffs, Prentice Hall, c1975. p. 461-71.

0392

SCHWANHAUSSER, Gerhard. An automatically produced thesaurus. In: SEMINAR on Thesaurus in Information Systems, Bangalore, Documentation Research and Training Center, 1975. Papers. Bangalore, Documentation Research and Training Center, 1976. p. B 1-B 15/1-5.

0393

SCHWARTZ, C. & NOREAU, T. Human-assisted thesaurus generation: a first step. In: AMERICAN SOCIETY FOR INFORMATION SCIENCE. Annual Meeting . 41. New York, NY., 1978. Information age in perspective: proceedings. Washington, 1978. v.15, p. 291 - 94.

Recent interest in enhancing man-machine interaction in information retrieval systems has pointed out the necessity for increased sharing of information between user and computer in areas such as on-line searching. Techniques which are designed to maximize information sharing are characterized by the fact that they make use of data derived directly from the document collection. One machine based procedure which exploits information available from the data base is automatic term expansion generated by co-occurrence calculations and clustering algorithms.

0394

SEDELOW, S. Y. Automated language analysis, 1972-1973. Lawrence, Kansas, Univ. of Kansas, Depts. of Computer Science and Linguistics, 1974.

Report covers the following topics: the editing of Roget's International Thesaurus, the mathematical modelling of thesauri, and a user's guide to the VIA content analysis programs as implemented at the University of Kansas. Articles in the report are concerned with the practical and theoretical issues raised by the effort to edit the thesaurus.

0395

SEELBACH, H. E. Von der stichwortliste zum halbautomatisch kontrollierten wortschatz. (From the keyword list to the semi-automatically controlled vocabulary). Nachr. fur Dok, 28(4-5):159-64, Sept. 1977.

Indexing by the full text method results in an ever increasing number of search terms, which, although comprehensive, can be confusing and time-wasting. By rational intellectual processes the documentalist can transfer these terms semi-automatically into a controlled vocabulary, where phrases are left intact and not split into single words, preferred terms are substituted for rarely-used expressions and relationships are indicated. One such system, using a reference thesaurus, is described in detail, showing how to handle phrases, connected expressions, preferred terms and frequency relationships. The use of this method gives the documentalist a wider search area; his work will be quicker and the results more precise. This method originated in the 1960s; its history and various ways in which it has been used are described.

0396

SEMTURS, F. Information retrieval from documents in multilingual textual data banks. In: EUROPEAN CONGRESS ON INFORMATION SYSTEMS AND NETWORKS. 3. Luxembourg, 1977. Overcoming the language barrier; proceedings. Munchen, Verlag Dokumentation, 1977. p. 463-67.

Considers the problems arising when the language in which a user questions a textual data bank differs from that of the data bank itself. Most can be solved by using a multilingual thesaurus in conjunction with routines intended to ensure that all possible linguistic variations (inflections) of the search keys are taken into account. It is possible, during retrieval, to expand the query automatically by including the thesaurus terms which are related to the search keys fed in. Subsequent generation of inflections allows the query to be further extended.



0397

SHEPHARD, Michael & WATTERS, Carolyn. Computer generation of thesaurus. In: SEMINAR on Thesaurus in Information Systems, Bangalore, 1-5 dezembro 1975. Papers. Bangalore, Documentation Research and Training Center, 1976. p. B 31- B 46.

0398

SOERGEL, Dagobert. Automatic and semi-automatic methods as an aid in the construction of indexing languages and thesauri. Int. Classif., 1 (1):34- 9, May 1974.

Development of a framework for the description and classification of statistical and graph-theoretical methods for the determination of terms and concepts and of relationships between and among them. Discussion of the problem of terms versus concepts in this context, the 'units of text' to be used for these methods, total count versus unitwise count, and practical problems of data collection. Brief characterization of methods for the use of 1) frequency data in descriptor selection, 2) co-occurrence data to determine terminological relationships between concepts, 3) binary relationships detected in the previous step to construct global classificatory structures.

0399

STOJAROV, G. K. et alii. Thesaurus development and support tools in the information retrieval system ASPID-3. Minsk, Inst. Mat AN BSSR., 1978. 40p. Em russo.

Discusses thesaurus development and maintenance tools, especially an application program package called ASPID-3 (Automated System for Descriptor-oriented Search of Information) which is designed for document retrieval systems based on ES computers under the control of the DOS operating system.

0400

STRODE, M. S. Automatic indexing using a thesaurus. Chapel Hill, University of North Carolina, 1977. Tese.

0401

SVOBODA, W. R. Automatisierte Erstellung von Kontextassoziation. Zum problem der Erstellung eines juristischen thesaurus. (Automatic production of context-associations. Concerning the construction of a thesaurus in the field of law). GMD, 1: 46-58, 1977.

0402

TAUPIN, M. Une gestion de thésaurus: en exemple-le macro-thésaurus OCDE. In: Problèmes informatiques des systèmes documentaires. Journées de formation 1978. Paris, AFCET, 1978. p. 6-8.

General description of the operations in the automatic handling of the four-lingual OECD Macrothesaurus.

0403

WALL, R. A. Intelligent indexing and retrieval: a man-machine partnership. Inf. Process. Manage., 16(2): 73-90, 1980.

Suggests the designations of overlapping hierarchies in thesauri, first outlined in 1973, as a key element in progress toward a successful man-machine partnership. Postulates the use of UDC both as a matrix and a searching aid, although this is not essential. Suggests means of distinguishing overlapping terms from other related terms, to make possible the accurate representation of all hierarchical relationships. At its largest the result could be a 'Universal Reference Vocabulary', maintained only on-line and used to construct profiles before searching via natural languages and/or class numbers.

0404

WALLE, F. van der. Functions of the thesaurus in an information system. Informatic, 17(1):8-14, 1975. Em alemão.

Examination of the thesaurus as an information file input system. Discussion of relationship between the thesaurus structure and the information file and of further thesaurus development. In the future, thesauri may have a more sophisticated syndetic structure, additional processing operati-

ons will be introduced, seen as "dynamic" operations on a "static" terminological file.

0405

WELLES, K. Automatic thesaurus construction through the use of predefined relevance assessments. Ithaca, Cornell Univ., Computer Sci. Dep., 1979. (Scient. Report. ISR-22, Section VI).

0406

WESSEL, Andrew E. Basic principles of thesauri construction for automated information retrieval. In: Computer-aided information retrieval. Los Angeles, Melville Publ. Co., c1975. p.58-74.

0407

WESSEL, Andrew E. An illustration of the basic principles of thesauri construction for automated information retrieval. In: Computer-aided information retrieval. Los Angeles, Melville Publ. Co., c1975. p.75-107.



**EXHIBIT**  
**EXHIBIT**

**1960**  
**EXHIBIT** The Department of Education  
has been authorized to...  
Department of Education, 1960.

The Department of the Interior...  
has been authorized to...  
Department of the Interior, 1960.

The Department of Health...  
has been authorized to...  
Department of Health, 1960.

The Department of Justice...  
has been authorized to...  
Department of Justice, 1960.

The Department of Labor...  
has been authorized to...  
Department of Labor, 1960.

The Department of State...  
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The Department of War...  
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The Department of Air Force...  
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The Department of Agriculture...  
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The Department of Commerce...  
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The Department of Housing...  
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The Department of Public Works...  
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The Department of Transportation...  
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The Department of Defense...  
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Department of Defense, 1960.

The Department of Atomic Energy...  
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Department of Atomic Energy, 1960.

The Department of Space...  
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Department of Space, 1960.

The Department of Environmental...  
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Department of Environmental, 1960.

The Department of Cultural...  
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The Department of Scientific...  
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Department of Scientific, 1960.

The Department of Technological...  
has been authorized to...  
Department of Technological, 1960.

The Department of Information...  
has been authorized to...  
Department of Information, 1960.

**PARTE 2**

*Politemáticos  
Especializados*

**PART 2**

*Polythematics  
Specialized*





## POLITEMÁTICOS

## POLYTHEMATICS

0408

BIBLIOTHEK des Deutschen Bundestages. Thesaurus der Bibliothek des Deutschen Bundestages. Bonn, Abteilung wissenschaftliche Dokumentation des Deutschen Bundestages, 1975. 412 p.

The Thesaurus of the Library of the Deutsche Bundestag serves as a classification system to make the Catalogues accessible. There is an alphabetical subject thesaurus and a thesaurus of the main geographical regions. The first thesaurus comprises about 20,000 terms and the geographical list about 600 terms. Extensions to the 1975 thesaurus have been published in January 1980 (59p.) and update the Thesaurus to 31 December 1979.

For information write to: Bibliothek des Deutschen Bundestages, Bonn, Federal Republic of Germany.

0409

BLACKWHEEL NORTH AMERICA. Blackwell North America Approval plan-subject thesaurus. Vol 1: Hierarchical arrangement, Vol. 2: Alphabetical arrangement. Blackwood, N.J., 1977. 358p.

The thesaurus was constructed for purposes of coverage of library and book profile use. There are some 5000 subject terms, hierarchically arranged in 40 separate subject divisions.

0410

BUREAU NATIONAL DE L'INFORMATION SCIENTIFIQUE ET TECHNIQUE. Macrothesaurus des sciences et des techniques: liste des principaux descripteurs relatifs au développement scientifique et technique. Paris, 1978. 3v.

Vol 1 presents the terms in a hierarchical display, Vols. 2 and 3 in alphabetical order.

0411

INSTITUTUL NATIONAL DE INFORMARE SI DOCUMENTARE STIINTIFICA SI TEHNICA. Tezaur national politematic. Bucurest, 1973. 2v.

Thesaurus contains more than 20 000 terms from over 70 scientific and technical disciplines. Vol. 1: alphabetical

list of terms with their relationships, Vol. 2: 330 arrowgraphs, each for a separate branch.

0411a

JAPAN INFORMATION CENTER OF SCIENCE & TECHNOLOGY. Kagaku giutsu yogo shi sorasu. (Thesaurus for science and technology). Tokyo, 1981. 1700 p.

0411b

LISTA geral de cabeçalhos de assunto. Rio de Janeiro, IBICT, 1977. 4v.

0412

PADIRAC, B. de. SPINES thesaurus: a controlled and structured vocabulary of science and technology for policy-making, management and development. Paris, the UNESCO Press, 1976. 3v.

0413

THESAURUS des spécialités de recherche. Paris, La Documentation française, 1977. 2v.

Alphabetical list of descriptors with their generic and specific terms.

0414

ZENTRALSTITUT FÜR INFORMATION UND DOKUMENTATION. Abt. Ordnungssysteme. Thesaurus Naturwissenschaft und Technik. 2. ed. Berlin (Ost.), 1973. 4v.

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

0415

ACOMPLINE comparison thesaurus. London; Greater London Council, 1981. 511 p.

0416

AFIPS Taxonomy Committee. Taxonomy of computer science and engineering. Arlington, 1980. 462 p.

0417

BLASCO GENOVA, R. & BLASS KONING, M. P. Thesaurus de epígrafes para clasificación de bibliografía en diccionario sistematico. Madrid, Instituto de Información Científica de la Iglesia Española, 1978. 4v.

0418

BRITISH STANDARDS INSTITUTION. BSI ROOT thesaurus. Hemel Hempstead, 1981. 2v.

0419

BRITISH STANDARDS INSTITUTION. Glossary of documentation terms. Glossaire de termes relatifs a la documentation. Glossar von Dokumentationsbegriffen. London, 1976. 81 p. (ISBN 0-580-09407-3).

0420

CENTRE AFRICAIN DE FORMATION ET DE RECHERCHE ADMINISTRATIVES POUR LE DÉVELOPPEMENT. CAFRAD thesaurus of administrative information descriptors. A preliminary English ed. Tanger, Marocco, 1973. 182 p.

0421

CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE. Centre de documentation Scientifique et technique. Thesaurus informatique. 2.ed. Paris, 1976. 3v.

Thesaurus of about 1.200 descriptors in alphabetical and hierarchical lists, a 'liste permutée' and a list 'correspondances français-anglais'.

0422

CENTRE NATIONALE DE LA RECHERCHE SCIENTIFIQUE. Centre de Documentation Scientifique et Technique. Thesaurus: sciences de l'information. Paris, 1977. Vii, 60, 29 p.

0423

CHERNYJ, A. I. et alii. Informacionno-poiskovyj tesaurus po informatikc. (Information retrieval thesaurus for information science). Moskva, VINITI, 1973. 209 p.

0423a

COMISSÃO DAS COMUNIDADES EUROPÉIAS. Thesaurus CIDST. Luxembourg, 1976. 13 p.

Pt. 1: Cumulative alphabetical listing; Pt. 2: Microthesauri; ca. 200 descriptors.

0424

CROGHAN, Antony. A thesaurus-classification for non-book media. 2 ed. London, Coburgh Publications, 1976. 49 p.

0425

GOMERSALL, Alan. Research library housing thesaurus. London, the Council, 1981. 66 p. (Research documents guide no. 13).

0426

INSTITUTO BRASILEIRO DE INFORMAÇÃO EM CIÊNCIA E TECNOLOGIA. Macrotesauro em ciência da informação, biblioteconomia e áreas afins. 6 ed. preliminar. Brasília, 1982. n. p.

0427

INVERNESS, M. S. Evaluation thesaurus. Pt. Reyes, Edgepress, 1980. 153 p.

Evaluation is a new discipline though an old practice. It is not just a science, though there is a point to talking about scientific evaluation by contrast with unsystematic or subjective evaluation. Disciplined evaluation occurs in scholarly book reviews, the Socratic dialogs, social criticism and in the opinions handed down by appellate courts. Its characteristics are the drive for a determination of merit, worth or value; the con-



trol of bias; the emphasis on sound logic, factual foundations and comprehensive coverage. That it has become a substantial subject is attested to by the size of this work and of the work to which the entries herein refer.

Information: Edgepress, Box 60, Reyes, California 94956, USA.

0428

MANAGEMENT CONTENTS. Management contents data base thesaurus. 4ed. Northbrook, 1981. 1v. (s.ed., 1978 ; s.ed. 1979).

0429

NATIONAL COMPUTING CENTER. Thesaurus of computing terms. 8 ed. Manchester, 1977. 310p. (s.ed., 1975).

This thesaurus is designed to provide a controlled structured vocabulary of terms in the form of descriptors (keywords) for indexing and retrieving information relating to computers and their applications. It consists of two interrelated sections: an alphabetical and a hierarchical listing. In the alphabetical listing; all terms are accompanied by cross-references to broader, narrower and related terms; the hierarchical listing shows the relationship between terms through the reducing level of each term and is followed by an index to the hierarchy for quick reference.

0430

NATIONAL TECHNICAL INFORMATION SERVICES. Computer science microthesaurus: a hierarchical list of indexing terms used by NTIS. Springfield, 1980. 69 p. (NTIS report. PB80-207814).

In a vocabulary information system, it is important to have controlled vocabulary for information retrieval. However, when searching the data base of the National Technical Information Service (NTIS) for computer science reports, one is faced with using search keywords from 4 thesauri as well as free language terms. These keyword sources are: The Department of Defense thesaurus, Energy Research and Development Administration thesaurus, National Aeronautics and Space Adminis-

tration thesaurus, the thesaurus used by NTIS, and controlled free language terms. This microthesaurus integrated hierarchically the vocabulary of these 5 sources to allow easier retrieval for computer science terms. Generic relationships and thesaural origins are maintained for each. More than 800 main terms and their hierarchies are listed, expressing software, hardware, systems, and languages.

0431

ORGANIZAÇÃO INTERNACIONAL DE NORMALIZAÇÃO. ISO Thesaurus. Geneva, International Organization for standardization, 1977. 3v.

This thesaurus intended for use in connection with the world-wide network of standards ISONET. At the present time, the thesaurus is available in an English and a French version. With its 9,000 concepts, the thesaurus covers the entire spectrum of areas in which standardization operates, i.e. most industrial and economic activities: mechanical engineering, metallurgy, transportation, building, civil engineering, electrical engineering, nuclear energy, chemical and petrochemical industries, agriculture and foodstuffs, banking, units of measurement, optics, audio-visual equipment, documentation, data processing, medicine, surgery, etc. Its multi-branch nature makes it a tool for documentation centers and standardization services and a foundation on which to build up individual company thesauri. Each version (English and French) gives the equivalent terms in the other language. A table giving trilingual equivalences (English/French/Russian) is in preparation as are other language versions. The thesaurus has been prepared in accordance with rules on the preparation and presentation of thesauri (International Standard ISO 2788-1974, Guidelines for the establishment and development of monolingual thesauri). The volume titles of the English version are: 1) Structured alphabetical list English-French, 2) Bilingual English-French KWOC index, and 3) Correspondence table French-English. Sale of the thesaurus includes in addition to these three volumes, keeping the list



up-to-date for a period of two years . Volume 1 may be purchased separately. The thesaurus is also available on a COM microfiche.

0432

ORSZAGOS SZECHENYI KONYVTAR. Könyvtari es tjekoztatasi targyszojegyzek: tezaurusz-tervezet. (List of library and information science subject headings: a thesaurus project). Budapest, 1976. 187 p.

This "List of Library and Information Science Subject Headings: a Thesaurus Project" includes some 1500 descriptors and 1150 non-descriptors. It covers, first of all, the terminology of librarianship as well as to the extent in compliance with library demands of information science. It consists of three parts: 1) descriptors alphabetically arranged; 2) alphabetical index; 3) systematical index. The first supplement (31p.) to the List appeared in 1978.

0433

RAHM, Hartmut. Thesaurus mathematik, Systematischer Teil. DFW Dokum. Inform., 26(3):137- 51, 1978.

0434

RAHM, Hartmut. Thesaurus mathematik. Alphabetischer Teil. DFW. Dokum. Inform., 26(5):211- 17, 1978.

0435

ROZO RIOS, D. S. & GARZON HERRAN, M. E. Tesauro en documentacion e informacion. Bogota, ICFES, 1980. 238 p. (FID 487).

Contains apart from the alphabetical thesaurus and an English Spanish vocabulary, a list of definitions, a permuted index, and a bibliography.

0436

SCHULTZ, C. K. Thesaurus of information science terminology. Metuchen, NJ., Scarecrow, 1978. 288p.

The lexicon serves as both an indexing and searching tool. Its alphabetic and hierarchic arrangements indicate the discourse of information science and the interrelationships of its terminology. A new feature of this edition is a set of tutorial chap

ters which address the functions of thesauri; how they compare with traditional authority lists; how they are constructed and adapted to unique situations; how they are maintained, whether manually or by automated means.

0437

TRELA, J. C. & VIGEANNEL-LARIVE, O. Thesaurus de mathématiques. Paris, 1978. 370 p.

0438

VIET, Jean. Thesaurus: mass communication. Communication de masse. Comunicación de masas. Paris, Unesco, 1982. 356 p. (s.ed., 1975).

Produced for UNESCO on the initiative of the Division of Communication Research and Planning, this thesaurus is a documentation language devised for the purpose of analyzing works, articles, reports, and other documents relating to the problems of mass communication according to the particular medium to which they refer: books, the press, records, films, radio, or television. While its main purpose is to characterize the information in a sufficiently precise manner to allow post-storage retrieval of the documents containing it, it has the secondary purpose of enabling queries to be expressed in a form which will match the information available. The thesaurus is in two parts: Part 1 is a multilingual document containing English, French, and Spanish descriptors listed subject fields; Part 2 is an alphabetical list of descriptors in English.

0439

WERSIG, G. & NEVELING, Ulrich. Terminology of documentation. Paris, The Unesco Press, 1976. 274 p.

0440

WILLIAMS, Bernard James Stiles. The-saurus of micrographic terms. 3 ed. Hatfield, National Reprographic Centre for Documentation, 1976. 35 f.



CIÊNCIAS FÍSICAS  
PHYSICS SCIENCES

0441

BIBLIOGRAPHIC SYSTEMS & STANDARDS OFFICE. Physics thesaurus. London, The British Library, Bibliographic Services Division, 1981. 46p.

This Thesaurus produced by BSO - the Bibliographic Systems & Standards Office extracted most terms cited from the British Library RIN File. These consisted, mainly, of terms used for the indexing of items for BNB, plus a proportion contributed by various British Library divisions/sections (such as, the Reference Division, British Education Index, BL Audiovisual Catalogue, etc.), as well as non-BL agencies (such as BUFC, ILEA, etc.). Contains about 1200 terms.

X 0442

CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE. Lexique U6: chimie pure et chimie appliquée. Paris, 1980. 99p.

Controlled list of descriptors used for indexing the documents of the PASCAL file of the Documentation Centre of CNRS in the fields of pure and applied chemistry.

X 0443

CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE. Thésaurus génie chimique. Paris, 1977. 297 p.

Alphabetical list, hierarchical list of descriptors, alphabetical index of hierarchical list and permuted list of descriptors.

0444

GOLUBEVA, N. E. et alii. Bilingual in formation retrieval thesaurus for organic compound classes Russian-German/German-Russian. Moskva, VINITI, 1981. 192 p. (s.ed., 1978).

0445

LANDESGEWERBEAMT BADEN-WÜRTTEMBERG.

Informations und Dokumentations Zentrum für die gewerbliche Wirtschaft. Thesaurus der technischen optik. (The saurus for the field of the technical optics). Stuttgart, 1976. 200 p.

Contains around 3850 terms with around 2900 descriptors including names of companies and institutions, main part in alphabetical arrangement.

0446

X LIST of chemical index terms 1980 and chemical mini-thesaurus 1980. New York, American Petroleum Institute, 1980. 86 p.

0447

MAX-PLANCK-INSTITUTE FÜR PLASMA PHYSIK (Garching). Plasma physics index thesaurus. Leopoldshafen, Zentralstelle f. Atomkernenergie-Dokumentation, 1972. 18 p.

0448

MAX-PLANCK-INSTITUTE FÜR PLASMAPHYSIK (Garching). Surface and vacuum physics index. Index zur Oberflächen- und Vakuumphysik. Thesaurus 1972. Leopoldshafen, Zentralstelle für Atomkernenergie-Dokumentation, 1972. 18 p.

0449

X UNIVERSITY OF NOTRE DAME. Radiation Chemistry Data Centre. Thesaurus for radiation chemistry. Notre Dame, 1977. 99 p.

Contains 2500 terms in the field of radiation chemistry and photochemistry in alphabetical sequence with references.

0450

X VACURO, K. V. et alii. Organic reaction thesaurus; name reactions, traditional reactions and their name derived from organic compound classes. Moskva, VINITI, 1980. 279p. Em russo. (s.ed., 1975).

CIÊNCIAS DA TERRA E DO ESPAÇO

SPACE AND EARTH SCIENCES

0451

ACQUATIC SCIENCE AND FISHERIES INFORMATION SYSTEM. Thesaurus of indexing terms. Roma, 1977. (s.ed., 1976).

0452

AMERICAN GEOLOGICAL INSTITUTE. GEOREF thesaurus and guide to indexing. 3 ed. Falls Church, c1981. 431p. (2 ed., 1978).

0453

AUSTRALIAN MINERAL FOUNDATION. Australian thesaurus of earth sciences and related terms. Adelaide, 1979. 319 p.

Contains 1350 descriptors in 206 semantic fields and 380 non-descriptors.

0453a

BIBLIOTECA DE LA JUNTA DEL ACUERDO DE CARTAGENA. Tesouro de terminos de la integracion subregional Andina. 2 ed. Lima, 1979. 257 p.

0454

BOKIJ, G. B. et alii. Minerals thesaurus: Russian-German and German-Russian. Vol II. Moskva, VINITI, 1977. 336 p.

Comprises 1708 terms of which 741 are descriptors of the following minerals: native elements, intermetallic compounds, halides, multiple oxides and hydroxides.

0454a

BOKIJ, G. B. et alii. Minerals thesaurus: Russian-German and German-Russian. Vol III. Moskva, VINITI, 1979. 562 p.

Contains 3045 terms of which 1411 are descriptors and 442 structural types. Covers the following classes of minerals: oxidicsalts, complex oxides and hydroxides.

0454b

BOKIJ, G. B. et alii. Minerals thesaurus: Russian-German and German-Russian. Vol Ch. Pt. 1. Moskva, VINITI, 1981. 327 p.

Includes 2131 terms of which 664 are descriptors, 334 mineral species and 30 mixtures, 1339 synonyms and 108 structural types. Covers inland silicates and chain silicates orpyroxenes.

0454c

BOKIJ, G. B. et alii. Russian-German minerals thesaurus. Vol I. Moskva, VINITI, 1976. 300 p.

Bilingual Russian-German subject index as part of the roof-thesauri for chemistry and geology developed for the State STI system.

0455

CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE. Laboratoire d'Information et de Documentation en Géographie. Thesaurus de géographie du commerce. Paris, 1976. 48 p.

0456

CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE. Service de Documentation et de Cartographie Géographique. Thesaurus de géographie urbaine. Paris, 1972. 58 p.

0457

CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE. Service de Documentation et de Cartographie Géographique. Thesaurus hydrologie. Paris, 1975. 134 p.

0458

CHAMBRE SYNDICALE DE LA RECHERCHE ET DE LA PRODUCTION DU PETROLE ET DU GAZ NATURAL. Comité des Techniciens. Commission documentation. The saurus des termes géographiques. Paris, Editions Technip, 1971. 69 p.

A listing of terms arranged by continents, countries, seas and oceans.

0459

CHIAPETTI, F. et alii. Un contributo all informatica documentaria; il CDU - thesaurus nel campo delle acque (presentazione in italiano, inglese ed esperanto). Roma, Istituto de Ricerca Sulle Acque, 1971. 52 p.



0460

CNII GEODEZII. Aeroc' emki i Kartogra fii. Information retrieval thesaurus in geodesy and cartography. Moskva, 1979. 344 p. Em russo.

The thesaurus is intended to aid in the document indexing in an IR system based on optical coincidence cards. It contains a total of 2523 descriptors and some 4500 non-descriptors or words and phrases occurring in documents on geodesy, air and space photography, photogrammetry, cartography and allied fields. It includes the following sections: Introduction, major dictionaries, reference sources and regulatory documents used, index of descriptor groups and fields, alphabetical lexico-semantic index, classified index of descriptors.

0461

GEOWISSENSCHAFTEN-Thesaurus deutsch-französisch; D1 - Schlagwörter. Hannover, Bundesanstalt für Geowissenschaften und Rohstoffe, 1975. 46 p.

This German Thesaurus on earth sciences with French and English equivalents of the descriptors is complemented by Geowissenschaften - Thesaurus deutschfranzösisch-english-D2- Geographie (1979). Both volumes are available from: Schwizerbart'sche Verlagsbuchhandlung, Johannesstrasse 3A, D-7000 Stuttgart 1, Federal Republic of Germany.

0461a

GEOWISSENSCHAFTEN-Thesaurus deutsch-französisch-english-D2- Geographie. Hannover, Bundesanstalt für Geowissenschaften und Rohstoffe, 1979. 32 p.

0462

GROSSKE, Ferdinand. Estudio sobre un thesaurus de meteorología y climatología. Caracas, Universidad Central de Venezuela, Facultad de Ingeniería, Departamento de Meteorología e Hidrología, 1976. 2v.

0463

HENRY, J. M. et alii. Thesaurus of agrobioclimatic, geographic, and technical terms and symbols. Tervuren, Belgium, Centre d'Information Appliquée au Développement et à l'Agriculture Tropicale. 1971/74. 4v. Em francês.

Compilado para ajudar a la indización analítica de publicaciones. Permite el uso simultáneo de descriptores originales y de símbolos técnicos convencionales. Un sistema de código especial permite la búsqueda.

0464

MONIOT, C. Thesaurus geomorphology. Paris, Centre National de la Recherche Scientifique. Service de Documentation et de Cartographie Géographiques, 1973. 115 p.

0465

NETHERLANDS MARITIME INSTITUTE. Thesaurus. Rotterdam, 1981. 358 p.

This Maritime Thesaurus is not for sale and is only available to users of the online data base MARNA. The thesaurus contains more than 10,000 keywords and more than 4,000 references. MARNA is a computerized online information service, giving a quick and easy opportunity to be informed on what is published in the world literature. The MARNA Search File is a bibliographic details, keywords and classification number. The following main subjects are covered in the database: 1) ship, 2) shipping and navigation, 3) shipbuilding, 4) ports and waterways, 5) fishing industry, 6) offshore oil and gas, 7) ocean mining, 8) inland shipping, 9) marine pollution, 10) energy generating, floating plants, and laws, recommendations, regulations and rules.

0466

PARÉ, S. & VOIONMAA, N. Thésaurus géographique de la population. Paris, CNRS, 1974. 49 p.

0467

PARÉ, S. & VIONMAA, N. Thésaurus géographique rurale. Paris, Service de Documentation et de Cartographie Géographiques, 1971. 34 p.

0468

POPOVA, M. A. & SEMENOVA, Z. D. Information retrieval thesaurus in hydrometeorology. Obninsk, 1979. 239p. Em russo.

The thesaurus is used for the processing and computer searching of hydrometeorological information in the Hydromet information retrieval system, which provides a regular information service for the users of the State Hydro-meteorological Committee of the USSR and in allied fields. It comprises the following sections: Introduction, lexico-semantic collection of terms, list of identifiers including the subsections: place names, hydrometeorological service research institutions, automatic hydrometeorological stations, names of research ships, names of typhoons, chemical element radioisotopes and units of measurement and their numerical values.

0469

UNIVERSITY OF TULSA. Information Service Division. Geographic thesaurus. Tulsa, 1978. 245 p.

0470

VOIONMAA, N. Thésaurus: noms de lieux. Paris, Laboratoire Intergeo du Centre National de la Recherche Scientifique, 1980. 649 p.

This thesaurus forms an integral part of the 'Thésaurus de Géographie' of which several parts have already been published: géographie rurale, géographie urbaine, géographie de la population, du commerce, géographie industrielle, géomorphologie, hydrologie. Contains about 5000 toponymes of the whole world (regions, countries, states, provinces, towns, rivers, mountains, etc.)

CIÊNCIAS BIOLÓGICAS  
BIOLOGICAL SCIENCES

0471

AGRICULTURAL RESEARCH CENTER. Thesaurus of entomology. Beltsville, Maryland, 1976.

0471a

BIOSCIENCES INFORMATION SERVICE OF BIOLOGICAL ABSTRACTS. A guide to the vocabulary of biological literature. 4.ed. Philadelphia, Biological Abstracts, c1973. 126 p.

0472

BUREAU NATIONAL DE L'INFORMATION SCIENTIFIQUE ET TECHNIQUE. Thesaurus génétique. Paris, 1977. 96 p.

0473

CENTRE NATIONAL DE LA RECHERCHE APPLIQUÉE. Thesaurus bioclimatologie. Versailles, 1976. 41 p.

0474

FOOTE, R. H. Thesaurus of entomology. College Park, Md., Entomological society of America, 1977. 299 p.

Main part systematic arrangement, about 9000 terms are grouped in 14 major subject-matter parts. Alphabetical part with broader and narrower terms provides index to hierarchical section.

0474a

SPEERT, Kathryn H. & WISHIK, Samuel M. Fertility modification thesaurus, with focus on evaluation of family planning programs. New York, International Institute for the Study of Human Reproduction, 1973. 186p.



AGRICULTURA

AGRICULTURE

0475

AGRICULTURAL terms as used in the Bibliography of Agriculture from data provided by the National Agricultural Library, U.S. Department of Agriculture. 2. ed. Phoenix, Oryx Press, c.1978. 122p. (1.ed., 1976-título: "Thesaurus of Agricultural terms").

0475a

BAHNER, H. et alii. Thesaurus Tierische Produktion. (Thesaurus on Animal Production). Vol. 1: Faceted representation of the vocabulary and special indexes. Vol. 2: Alphabetical index of the thesaurus words with references to the descriptors. 2. ed. Stuttgart, Dokumentationsstelle der Universität Hohenheim, 1976. 461 p.

0476

BREITLING, W. FAO Documentation Centre Thesaurus. Sect. 1: Forestry. Sect. 2: Meteorology. Sect. 3: Population. Roma, Food and Agricultural Organization, 1974-1975. 3v.

Index term list consists of 11400 terms.

0477

CAISSE NATIONALE DE CRÉDIT AGRICOLE. Département Information Relations Extérieures. Service Documentation. Thesaurus agricole, économique, financier, juridique, fiscal. 4. ed. Paris, 1977. 2v.

0478

CENTRO INTERNACIONAL DE AGRICULTURA TROPICAL. Tesouro de economia agrícola latino-americana. Cali, Colombia, 1979, 104 p.

0479

CENTRO INTERNACIONAL DE AGRICULTURA TROPICAL. Tesouro de frijol. Cali, Columbia, 1979. 58 p.

0480

CENTRO INTERNACIONAL DE AGRICULTURA TROPICAL. Tesouro de pastos tropicales adaptados a suelos ácidos e infértiles. Cali, Columbia, 1979. 77 p.

0481

COMISSÃO DAS COMUNIDADES EUROPÉIAS. Agricultural economics and rural sociology: multilingual thesaurus. München, Saur Verlag, 1979. 5v.

The four versions have each an alphabetical main list of terms and several microthesauri at the end. The hierarchical levels are indicated with the broader and narrower terms, e.g. BT1, BT2, etc. The different language versions are brought together in the index which possesses 4 entry sorts according to one of the four languages. The microfiches show the same sorts in a different arrangement. There are 2 270 descriptors in each language, however the nondescriptors vary, namely 190 in German, 360 in English, 410 in Italian.

0482

COMISSÃO DAS COMUNIDADES EUROPÉIAS. Food multilingual thesaurus. München, K.G. Saur Verlag, 1979. 5v.

The four versions have each an alphabetical main list of terms and several microthesauri at the end as e.g. for countries, food, industries, microorganisms etc. The hierarchical levels are expressed in addition to the indication of broader and narrower terms by adding level numbers as e.g. BT1, BT2, etc. The different language versions are brought together in the index which possesses 4 entry sorts according to one of the four languages. The microfiches show the same sorts in a different arrangement. There are 3 458 descriptors in each language, however, the number of the non-descriptors varies according to language: there are 1 170 in German, 2 130 in English, 1 950 in French and 1 200 in Italian.

0483

COMISSÃO DAS COMUNIDADES EUROPÉIAS.  
Veterinary multilingual thesaurus.  
München, K.G. Saur Verlag, 1979 .  
5v.

The four versions have each an alphabetical main list of terms and several micro thesauri at the end. The hierarchical levels are indicated with the broader and narrower terms, e.g. BT1, BT2 etc. The different language versions are brought together in the index which possesses 4 entry sorts according to one of the four languages. The microfiches show the same sorts in a different arrangement. There are 4922 descriptors in each language, however 2370 nondescriptors in German, 4190 in English, 2730 in French and 1830 in Italian.

0484

CUBA. Ministério de Agricultura. Centro de Información y Documentación Agropecuaria. Departamento de Metodología y Sistemas. Tesouro Nacional Agropecuario. Habana, 1978. 238 p.

Vocabulario controlado donde aparecen diferentes relaciones entre los términos que lo componen.

0485

GALRÃO, Maria José. Vocabulário agrícola en español. San José, Costa Rica, Centro Interamericano de Documentación e Información Agrícola, 1978. 307 p. (IICA, Documentación e Información Agrícola, no. 63).

Contiene 6.000 términos agrícolas en español, de los cuales la mayor parte de nombres comunes y sus sinónimos (regionalismos) se encuentran traducidos al inglés y acompañados de sus respectivos nombres científicos. Incluye el código de categoría según el esquema de Categorías del AGRIS/AGRINTER.

0486

GRÃ-BRETANHA. Ministry of Agriculture Fisheries and Food. Tolworth library thesaurus on animal health vertebrate pest biology and control. Surbiton, 1975. n. p.

Cubre los temas: sanidad animal, biología/control de plagas de vertebrados.

0487

GROUPEMENT D'ÉTUDES ET DE RECHERCHES POUR LE DEVELOPPEMENT DE L'AGRONOMIE TROPICALE Thesaurus GERDAT. Paris, 1974. 358 p.

Lista jerárquica para seis áreas en agricultura tropical y para 15 tipos de plantas.

0488

INSTITUT NATIONAL DE LA Recherche AGRO NOMIE. AGRIDOC, thesaurus reproduction animale. (Mammifères, oiseaux). Edition provisoire. Paris, BNIST, 1977. 45 p.

0489

INSTITUTO INTERAMERICANO DE CIENCIAS AGRICOLAS. Tesouro de frijol. San José, Costa Rica, 1977. 69 p.

0489a

LANIER, James A. et alii. Aquaculture thesaurus; descriptors used in the National Aquaculture Information System. Springfield, NTIS, 1977. 145p.

0490

LAVRENOVA, O. A. et alii. Information retrieval thesaurus for sojuzselj-choztechnika system scope. Moskva, CNIITEI, 1977. 184 p. Em russo.

Thesaurus for agricultural machinery intended as a part of an overall effort towards a computer-based specialized STI system.

0491

LEATHERDALE, Donald. Cassava Thesaurus. Cali, Centro Internacional de Agricultura Tropical, 1977. 146 p.

A categorized listing under 13 subject headings of the vocabulary and an alphabetical index to it.

0492

LEATHERDALE, Donald. Provisional thesaurus of sorghum and millet terminology. Hyberabad, India, ICRISAT. Sorghums and Millets Information Center, 1978. 306 p.



0493

LEATHERDALE, Donald. Thesaurus on tropical grain and forage legumes. Ibadan, Nigeria, IITA, International Grain Legume Information Centre, 1977. 352 p. (Information Series, 1).

Tesaurus compilado para las operaciones de insumo y recuperación de información en el Centro Internacional de Información sobre Leguminosas Tropicales de Grano. Está presentado en dos listas: 1. Lista categorizada de descriptores, dividida en nueve encabezamientos de materia indicativas del sistema. 2. Lista alfabética de descriptores y otros términos, incluyendo nombres científicos y referencias cruzadas.

0494

MACK, R. Veterinary subject headings; for use in Index Veterinarius and the Veterinary Bulletin. Farnham Royal, England, Commonwealth Agricultural Bureaux, 1972. 44 p.

0495

ORGANIZAÇÃO DAS NAÇÕES UNIDAS PARA ALIMENTAÇÃO E AGRICULTURA. FAO index terms: list by semantic groups. Roma, 1977. 141 p.

0496

ORGANIZAÇÃO DAS NAÇÕES UNIDAS PARA ALIMENTAÇÃO E AGRICULTURA. FAO index terms: permuted list. Roma, 1977. 255 p.

0497

PEREZ DOMINGUEZ, C. & LOPEZ GARCIA, J. R. Microthesaurus de términos agropecuarios. La Habana, Centro de Información Científica y Técnica, 1972. 422 p. (Agro - información, 15).

Este tesaurus está dividido en tres secciones: I. Listado de términos por grupos temáticos. II. Tesaurus de términos, incluyendo nombres científicos y referencias cruzadas. III. Índice de descriptores contenidos en el tesaurus, en español, inglés y francés.

0498

TAKY, J. et alii. Canadian agricultural thesaurus; agricole canadien. Ottawa, Agriculture Canada, 1977. 4 v. (s.ed. 1971).

Esta es la edición bilingüe inglés-francés, aumentada, revisada y corregida del Canadian Agricultural Thesaurus publicado en 1971. Contenido: Sección I, dos volúmenes: Generalidades; Sección II: Sistemática (Plantas y virus); Sección III: Sistemática (Animales); Sección IV: Productos químicos.

0499

THESAURUS para indexação / recuperação da literatura agrícola brasileira. Rev. 2. Brasília, BINAGRI/SNIDA, 1978. 196 p. (Rev. 1, 1976, 481p.).

0500

UNIVERSITY OF READING. Agricultural Extension and Rural Development Centre. Thesaurus of terms for agricultural extension and rural development and related subjects. rev. ed. Readings, GB, 1980. 73 p.

The Thesaurus contains many of the terms which occur in the literature of practices and development in the groups listed. It is intended for use in cataloguing the documents which are received by the Documentation Service under the ISS Punched Feature Subject Card System, and by the readers. In this respect, it is divided into a classified section and an alphabetical list.

The classified section contains terminology used in the alphabetical list. This is split into groups, each group covering a particular content i.e. Group A covers Geographical Countries and Regions; Group B covers Bibliographical Form; Group C covers Communications, Media and Organizations; Group D covers Agriculture, Forestry and Fishing; Group E covers Extension; Group F covers Family Planning, Health, Home and Family, Nutrition; Group G covers Society; Group H covers Economy, Education, Management and Personnel; Group I covers Literacy; and Group J covers Research. The Alphabetical list includes a mention of the group in which each term can be found. This means that reference can

be made to provide relative terms and broad terms which can widen the reader's search.

0501

WILLIS, W. D. & WILLS, H. O. Thesaurus for tobacco. Bristol, 1980. 15 p.

Thesaurus by way of indexing and retrieval of Brazilian agricultural literature. Contains about 20,000 descriptors in alphabetical order with Use, Use for, Broader term, Narrower term, and Related term references.



MEIO AMBIENTE  
ENVIRONMENTAL SCIENCES

0502

BAULKWILL, W. J. & POSNETT, N. W. Abridged thesaurus of land resource terms. Tolworth, Surrey Land Resources Division, Overseas Survey (Directorate), 1971. 5v.

Contiene: I- Introducción, jerarquías establecidas. II- Listas alfabéticas categorizadas (1- Ciencia atmosférica, química, física, geociencia, ciencia del suelo, topografía, recursos hídricos. 2- Agricultura, producción animal, silvicultura, agronomía. 3- Botánica, ciencias sociales, ciencia en general, general localidades). III- Lista alfabética.

0503

CENTRE INTERPROFESSIONNEL D'ETUDES DE LA POLLUTION ATMOSPHERIQUE. Thesaurus pollution atmosphérique. Paris, 1973. 162 p.

0504

CLADES. Tesouro del medio ambiente para America Latina y el Caribe. Santiago de Chile, 1981. 159 p.

Terms dealing with the environment used in Latin America and the Caribbean. There are about 6000 terms.

0505

DEUTSCHE DOKUMENTATION ZENTRALE WASSER. Ordnungssystematik zur Dokumentation Wasser: Teil I. DK- Fachaussgabe Wasser 1977. (Classification system for water documentation). Bielefeld, Erich Schmidt Verlag, 1977. 379 p.

0506

DEUTSCHE DOKUMENTATION ZENTRALE WASSER. Ordnungssystematik zur Dokumentation Wasser. Teil 2: Begriffsverzeichnis. Thesaurus. (Classification system on the documentation of water. Pt 2: Concept list. Thesaurus. Erich Schmidt Verlag, 1971. 536 p.

0507

DIEPENBROCK, J. S. et alii. Thesaurus of environmental studies. College Park, Md., University of Maryland, School of Librarianship, 1971. 28p.

0508

EUA. Department of the Interior. Bureau of Reclamation. Thesaurus of water resources and related terms: a collection of water resources and related terms for use in indexing technical information. Washington, 1971. 339 p.

0509

EUA. Environmental Protection Agency. Office of Air and Waste Management. Microthesaurus of air pollution terms. 5.ed. rev. Washington, 1976. 10 p.

0510

HALPIN, P. Standard air pollution classification network: a thesaurus of terms. Final report. 2.ed. U.S. Environmental Protection Agency. Office of Air Quality Planning and Standards, 1978. 185 p.

The thesaurus contains all of the standardized terminology and rules for its use as applicable to the Air Pollution Technical Information Center (APTIC) bibliographic file on air pollution.

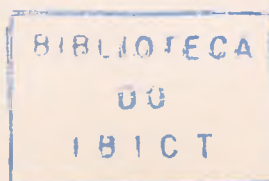
0511

NATIONAL TECHNICAL INFORMATION SERVICES. Environmental microthesaurus; a hierarchical list of indexing terms used by NTIS. Springfield, 1977. 100 p.

0512

SHRINER, C. R. et alii. Environmental/chemical thesaurus. Oak Ridge, Tenn., Oak Ridge National Lab., 1978. 311 p.

This thesaurus was compiled on the bases of terms found in 13 environmental protection agency data bases. The scope of this thesaurus was broadened over that of the Environmental Bio-medical Terminology Index to include also the physical sciences with emphasis placed on chemistry, although specific chemical compounds are not included, on



ly classes of chemicals are given.

0513

SMITH, Joyce G. Aqualine thesaurus.  
Chichester, Ellis Horwood Limited,  
1980. 684 p.

The thesaurus, which contains about 70,000 index terms of relevance to water and wastewater treatment engineers and scientists and anyone concerned with water pollution and environmental protection studies, is the most comprehensive publication of its type in the world.

0514

THATCHER, L. et alii. A thesaurus of land use and resource management terminology. Logan Utah State University, 1976. 575 p.

0515

UMWELTBUNDESAMT. Umweltthesaurus.  
(Thesaurus for environmental research). Berlin, 1981. 347 p.

The 3rd version of this thesaurus consists of a subject order with alphabetical suborder and an alphabetic order of all descriptors.

0516

UNIÃO INTERNACIONAL PARA A CONSERVAÇÃO DA NATUREZA E DE SEUS RECURSOS. IUCN thesaurus. Berlin, Erich Schmidt, 1972. n. p.





CIÊNCIAS MÉDICAS  
MEDICAL SCIENCES

0517

AGUSTI, Eduardo. Nomenclatura codificada de diagnósticos; bases para un thesaurus de terminologia clínica. Valencia, Centro de Documentación e Informática Médica, Facultad de Medicina, 1972. 697 p. (Cuadernos de documentación e informática médica, 2.).

List of approx 14 000 terms arranged according to broad categories of the International Classification of Diseases and alphabetical index referring to numbers of first section.

0518

ASSOCIAÇÃO PAULISTA DE BIBLIOTECÁRIOS. Grupo de Bibliotecários em Informação e Documentação Biomédica. Sub-grupo de Cabeçalhos de Assuntos. Cabeçalhos de assuntos médicos: índice bilingue português-inglês, inglês-português. São Paulo, 1978. 2 v.

0519

BLUMENBACH, D. Thesaurus phytomedizin (Pflanzenkrankheiten und Pflanzenschuts). Berlin; Komm. Verl. P. Barry, 1973. 145 p.

In this phytomedical thesaurus with about 400 descriptors and about 3000 lead-in terms the arrangement is as follows: "alphabetic index" of all terms with user recommendations or combination-advice; main part-descriptors in 12 systematic groups, arrangement within these groups alphabetically; alphabetic list of only the descriptors referring to the 12 groups; hierarchical listing of the descriptors showing another structure with references only to the main groups. Chemicals and organisms, numbering 3000 and 7000 respectively, are not listed in this thesaurus. Special rules for indexing these are supplied.

0520

BORCHERT, K. Fachgebietsthesaurus anelsthesiologie. (Subject-field thesaurus for anesthesiology). Berlin, DDR, Verlag Volk u. Gesundheit, 1977. 88 p.

0521

CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE. Sciences pharmacologiques thesaurus. Paris, 1973. 202 p.

Three sections: 1) alphabetical list of keywords, 2) alphabetical list of chemical products and pharmaceuticals, 3) thematic listing of the terms into 12 major subject areas.

0522

CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE. Thesaurus genie biomédical-informatique biomédicale. Paris, 1974. 126p.

0523

EUA. National Library of Medicine. Medical subject headings, annotated alphabetical list, 1980. Bethesda, Md., 1979. 807 p. (s.ed., 1977).

Alphabetic list of all subject descriptors used by indexers and catalogers at the National Library of Medicine. Includes: "Subject Headings", "Cross References", "Geographic Headings", "Non-MESH Terms", "Check Tags", "Tree Numbers", and "Notes for indexers, catalogers, and online searchers".

0524

EUA. National Library of Medicine. Medical subject headings, tree structures, 1982. Springfield, NTIS, 1981. 454 p. (s.ed., 1977; s.ed., 1979).

0525

EUA. National Library of Medicine. Permuted medical subject headings. Springfield, NTIS, 1981. 369 p.

0526

EXCERPTA medica. MALIMET: sequential print thesaurus. Amsterdam, NL, 1979. 469 fiche.

- 0527  
GRÃ-BRETANHA. SCIENCE MUSEUM. Wellcome Museum of the History of Medicine. Thesaurus. London, 1981. 2v.
- 0528  
INSTITUT GUSTAVE ROUSSY. CANCERNET thesaurus. English version. Villejuif, France, 1980. 3 vols.
- 0529  
INSTITUT NATIONAL DE LA RECHERCHE AGRO NOMIQUE. Thesaurus phytopharmacie. Vocabulaire de phytiatrie et de phytopharmacie. Produits phytopharmaceutiques. Versailles, CNRA, 1977. 2411 p.
- 0530  
INSTITUTE FOR THE STUDY OF DRUG DEPENDENCE. Thesaurus of subject headings relating to drug dependence and the non-medical use of drugs. London, 1978. 138 p.
- 0531  
INSTITUTE FÜR KRANKENHAUSBAU DER TECHNISCHEN UNIVERSITÄT. Thesaurus Krankenhauswesen. (Thesaurus on hospital). 5 ed. Berlin, 1982. 205 p.  
Contains some 1000 descriptors and some 2500 lead-in-terms. Main part alphabetic with a systematic section for the indication of hierarchical relationships. It serves the indexing of documents in HECLINET. (Health Care Literature Information Network).
- 0532  
INTERNATIONAL PHARMACEUTICAL ABSTRACTS INFORMATION SYSTEM. IPA thesaurus of subject terms. Washington, American Society of Hospital Pharmacists, 1980. 30 p.  
A thesaurus of all primary subject terms-approximately 10,000-used for the duration of the International Pharmaceutical Abstracts database (i. e., 1970 to present) provides an effective tool for formulating search questions and for reconciling differences in terminology.
- 0533  
KOCH, M. S. Biomedical thesaurus and guide to classification. New York, CCM Information Corp., 1973. 195 p.
- 0534  
NACKE, O. Thesaurus der scientologie. mit Schwerpunkt Medizin. Bielefeld, Institut für Dokumentation und Information für Sozialmedizin, 1976. 23p.  
Around 900 descriptors are displayed in an alphabetic and a systematic part. There are only 'see' and 'see also' references in this thesaurus for the field of science of science.
- 0535  
REINER, B. J. & LUDLOW, Ch. L. MEDLINE users manual and thesaurus for specialists in communicative disorders. Washington, 1979. 2 v.
- 0535a  
VIEIRA, Luciano. Dicionário de textos médicos codificados para computador. Brasília, Centro Grafico do Senado Federal, 1975. 208 p.



CIÊNCIAS SOCIAIS  
SOCIAL SCIENCES

0536

AGENCE NATIONALE POUR LE DEVELOPPEMENT DE L'EDUCATION PERMANENTE. Thesaurus éducation permanente. Montrouge, 1977. 92 p.

0537

AITCHISON, Jean. Thesaurus on youth: an integrated classification and the saurus for youth affairs and related topics. Thompson, Leicester, National Youth Bureau, 1981. 530 p.

0538

AITCHISON, Jean. Unesco thesaurus; a structured list of descriptors for indexing and retrieving literature in the fields of education, science, social science, culture and communication. Paris, Unesco, 1977. 2 v.

Vol. 1 contains the introduction, a Classified Thesaurus, a Permuted Index, and a Hierarchical Display; Vol. 2 contains the Alphabetical Thesaurus. The translation and adaptation into French and Spanish is foreseen for 1979-1980. Orders. Unesco, 7, Place de Fontenoy, F 75700 Paris.

0539

AITCHISON, Jean. Welfare of the elderly; classification schedules and the saurus. London, Aslib, 1973. 2 v.

A faceted classification and thesaurus prepared for the information services of the National Corporation for the Care of Old People and Age Concern.

0540

AMERICAN PSYCHOLOGICAL ASSOCIATION. Thesaurus of psychological terms. 3, ed. Washington, 1982. 240 p. (2.ed., 1977).

0541

ASÍS, M. Tesouro parapsicológico de búsqueda informativa. La Habana, 1977. 535 p.

0542

ASKEW, C. Thesaurus of consumer terms; pt. 1: classified display. The Hague, International Organization of Consumers Unions, 1979. 314 p.

0543

AUBOIN BIGOT, F. Thesaurus CAMIF: cooperative de vente par correspondance. Paris, CNAM, 1981. 107 p.

La CAMIF: coopérative de vente par correspondance pour les adhérents à la mutuelle des instituteurs de France, doit traiter une masse importante d'informations. Une indexation contrôlée débouchant sur un thésaurus est apparue nécessaire. L'élaboration du thésaurus constitue la partie la plus importante de ce mémoire.

0544

AUSTRALIA. National Library. The APAIS thesaurus; a list of subject terms used in the Australian Public Affairs Information Service. Canberra, 1980. 99 p.

0545

BECK, Carl et alii. Political science thesaurus. 2.ed. Pittsburgh University Center for International Studies, University of Pittsburgh, 1979. 700 p.

The first edition of this work appeared in 1975. The descriptors have been increased by 20% to 6.500 unique terms. Thirty-eight subject outlines are provided touching upon all major aspects of the social sciences. Based upon the operational use of the Thesaurus in the production of United States Political Science Documents the number of times each descriptor actually has been used in preparing the first 10,887 entries is recorded.

0546

BERLIN-Thesaurus. Part edition 1: City and population, Part edition 2: Politics and history. Berlin-West, Zentrum für audio-visuelle Medien, 1975. 999 p.

0547

CENTRO DAS NAÇÕES UNIDAS PARA OS ESTABELECIMENTOS HUMANOS. Thesaurus dans le cadre des établissements humains. Ed. préliminaire. Nairobi, 1981. 134 p.

0548

CENTRO DE DESARROLLO INDUSTRIAL DEL ECUADOR. Thesouro de palabras claves. Quito, Ecuador, 1976. 150 p.



0549

CENTRO INTERNACIONAL DE PESQUISAS PARA O DESENVOLVIMENTO. Tesouro de la biblioteca del CID. Ottawa, 1976. 1 v.

0550

CHABRAN, Richard. Chicano thesaurus for indexing chicano materials. Santa Barbara, Univ. of CA, 1979. 92p.

Designed to provide subject access over other existing subject heading lists for literature related to the Chicano experience, the thesaurus is an initial attempt to remedy the absence of a baseline vocabulary for use in and retrieving relevant materials from various information systems. Most of the approximately 700 entries are in English, although some are in Spanish. Terms contain 40 or less characters. Each entry is numbered with a unique "term identification number" which can be used for searching and indexing. The terms are organized into three separate segments. An alphabetical list includes all the terms in each hierarchy with cross references to scope notes and other terms. A permuted index displays on a rotating basis each keyword of a multiword term, and brings together related terms which may be separated in the alphabetical segment. The hierarchical segment is an alphabetical array of all the broadest terms, each with its own array of narrower terms. An introduction explains the use of each segment. The first three letters of the first and last terms on each page of the alphabetical display are indicated in large print at the top of the page.

0551

CHAPLAN, M. A. et alii. Thesaurus of descriptors for public sector labour relations. Ithaca, N.Y., Cornell University, 1976. 364 p.

0551a

CHIAPPETTI, F. et alii. Un contributo all'informatica documentaria: due tesori per la classe I della CDU. Roma, Istituto di Studi sulla Ricerca e Documentazione Scientifica, 1976. 64 p.

0552

CLADES. Economic and social terms in the OECD aligned list of descriptors and their translation into spanish. Santiago de Chile, 1971. 73 p.

0553

CLADES. Lista de descriptores discutidos y aceptados en la Reunion Tecnica sobre Terminologia para el Desarrollo: el macrothesaurus de la OCDE. Santiago de Chile, 1981. 46 p.

0554

CUBERO, Flor de Maria Y MURILLO, Julia de la O. Ordenamiento alfabetico de los descriptores del tesouro em Ciencias Sociales con enfasis en administracion publica. San Jose, Instituto Centroamericano de Administracion Publica, 1980. 82 p.

0555

CUBERO, Flor de Maria & MURILLO, Julia de la O. Tesouro en Ciencias Sociales con enfasis en administracion publica; primera etapa. San Jose, Instituto Centroamericano de Administracion Publica, 1980. 115 p.

0556

DEACON, James E. Low intensity conflict thesaurus. Ottawa, Department of National Defence, 1976. 129 p.

A presentation of terms to be used for the indexing and retrieval of documents dealing with the subject area of Low Intensity Conflict (LIC). The present thesaurus contains 950 descriptors and 225 USE references in the first division, "Thesaurus of Terms". Other divisions of this volume are: 2) Permuted Index, 3) Subject Category Index, 4) Hierarchical Index, 5) Geographic Locations, 6) Organizations and Groups. A more detailed discussion of the process of construction of the LIC Thesaurus (LICT) is available in a report "Development of a Thesaurus for Low Intensity Conflict".

0557

DEUTSCHE STIFTUNG FÜR INTERNATIONALE ENTWICKLUNG. Zentrale Dokumentation. Thesaurus für wirtschaftliche und soziale Entwicklung. (Thesaurus of economic and social development). Boon, 1980. 2 v.



Related to the OECD Macrothesaurus and serving also as a macrothesaurus for the supplementary thesauri of the regional documentation centers for Africa, Asia, Latin America and the Middle East. Contains 2580 descriptors.

0558  
DISCLOSURE INC. Disclosure financial thesaurus. Silver Spring, 1974 . 272 p.

Thesaurus of 11 200 terms for business activities, legal questions, securities and security transactions, finances and accounting, banking and insurance.

0559  
EDUCATIONAL RESOURCES INFORMATION CENTER. Thesaurus of ERIC descriptors; with a special chapter on the role and function of a thesaurus in education. 8.ed. rev. Phoenix, Oryx Press, 1980. 439 p. (2.ed. 1969, 3 ed. 1972, 5.ed., 1974, 6 ed., 1975).

0560  
EUA. National Fire Prevention and Control Administration. Fire thesaurus. Washington, Department of Commerce, 1977. 230 p.

The thesaurus was prepared for the National Fire Prevention and Control Administration.

0561  
EUA. National Institute of Justice. National criminal justice thesaurus: descriptors for indexing law enforcement and criminal justice information. 1980 edition. Washington, 1980. 335 p.

0562  
FOSKETT, Douglas John & FOSKETT, Joy. The London education classification: a thesaurus/classification of British education terms. London, University of London, Institute of Education Library, 1974. 165 p.

0563  
FRANÇA. Secrétariat Général. Défense Nationale. Thesaurus politique. 1. Liste alphabétique. 2. Schemas fléchés. Paris, 1973. 74 p.

0564  
GRÃ BRETANHA. House of Commons Library. The House of Commons library thesaurus. London, 1980. 615 p.

0565  
GREEN, L. W. Thesaurus of health education terminology: HEIRS/Health Education Information Retrieval Systems. Baltimore, Johns Hopkins University, MD School of Hygiene and Public Health, 1976. 219 p.

Main part in alphabetical arrangement. Information available from: Health Education Div., Suite 212, 550 N. Broadway, Baltimore, Md 21205, USA.

0566  
GUHDE, E. et alii. Thesaurus Bildungsforschung. Verzeichnis der Deskriptoren und Nichtdeskriptoren in der Literaturdokumentation des Max-Planck-Institutes für Bildungsforschung Pullach b. München, Verl. Dokumentation, 1972. 471p.

0567  
HEALTH EDUCATION COUNCIL. Health education thesaurus. London, 1979. lv.

The thesaurus has been compiled with the particular needs of the Health Education Council library in mind, but it is hoped it will also be of use to Health Education Officers and others who are collecting materials in the field. The thesaurus is based on the "Thesaurus of Health Education Terminology" published in the USA. This version has been anglicized, simplified, modified. The modifications have been made to suit the needs of the HEC and to suit post-coordinate, optical coincidence, rather than pre-coordinate, computer indexing.

0568  
HOUYOUX, Philippe. La propension aux accidents: thesaurus et bibliographie. Quebec, Université du Québec, 1976. 116 p.

A mini-thesaurus and bibliography based on a study carried out by the Centre de Recherche en Sciences de la Santé, University of Quebec (Propension aux accidents: étude phénoménologique, 1976). The thesaurus consists of



250 descriptors grouped in eight fields: general; objective analysis of the accident; sociological situation of the injured person; his individual psychology; his social and industrial psychology; his psychology; methods and measures; analytical models. Descriptors are arranged within each field in diagrams with arrows indicating their hierarchical or parallel relationships. The bibliography is arranged alphabetically by author.

0569

INSTITUTO COLOMBIANO PARA EL FOMENTO DE LA EDUCACION SUPERIOR. Division de Documentacion e Informacion. Tesaurus colombiano de la educacion: version preliminar. Bogota, 1978. 173 p.

0570

JIMÉNEZ, Dina. Thesaurus socio economico; una experiencia nacional de estructuración. San José, Universidad de Costa Rica, Centro de Documentación, 1979. 60 p.

0571

KRAMPEN, M. et alii. Thesaurus Hochschuldidaktik. Ulm, Universität, 1973. 132 p.

0572

LAUBACHER, Marilyn R. A glossary of ERIC terminology. Syracuse, NY., ERIC Clearinghouse on Information Resources, 1978. 25 p.

Report not available from NTIS. Designed to be of assistance to the new ERIC user, this glossary provides brief definitions of more than 60 terms associated with the ERIC database and search process. These include titles of indexes, agencies, and acronyms peculiar to ERIC as well as terms used to describe computer search strategy.

0573

LINARES, Emma. Tesaurus de la formación profesional. Montevideo, Cinterfor, 1979. 2 v.

0574

LUCAS, C. & OSBURN, M. Population/family planning thesaurus: an alphabetical and hierarchical display of terms drawn from population related literature in the social sciences. 2 ed. rev. Chapel Hill, Univ. of North Carolina, Carolina Population Center, 1978. 316 p.

This second edition of the Population/Family Planning (PEP) Thesaurus has been revised and updated as a subject search aid for the Carolina Population Center (CPC) Library's database, to be used in conjunction with the CPC Microcatalog, the CPC PopScan Service, or retrieval via an on-line information system. In addition, it is hoped that it will continue to fulfill the original mandate of the first edition: to help libraries and documentation centers, as well as individuals, establish their own manual or automated information retrieval systems for their population collections. The Thesaurus lists in alphabetical order 3,900 terms which are currently in use in population literature. In 1981 a Supplement has been published containing 77 new terms added to the Thesaurus since its second edition of 1978.

0575

MARSHALL, J. K. On equal terms; a thesaurus for nonexist indexing and cataloging. New York, Neal-Schuman pubs., 1977. 152 p.

0576

MERWE, Caspar Van de. Thesaurus of sociological research terminology. Rotterdam, Rotterdam University Press, 1974. 471 p.

0577

MILLER, Susan E. Thesaurus of terms in mortgage and consumer credit. West Lafayette, Ind., Credit Research Center, Purdue University, 1977. 127 p.

Alphabetical arrangement of terms with references from nonpreferred to preferred terms and a listing of prepositional phrases to be combined with the keywords.



0578

NATIONAL CENTER ON CHILD ABUSE AND NEGLECT. Child abuse and neglect thesaurus. Washington, 1978. 110 p.

0579

NATIONAL INFORMATION CENTER FOR SPECIAL EDUCATION MATERIALS. NICSEM special education thesaurus: the controlled indexing vocabulary for the NICSEM special education data base. Los Angeles, Univ. of S. Calif., 1979. 64 p.

0580

NATIONAL TECHNICAL INFORMATION SERVICES. Health care microthesaurus; a hierarchical list of indexing terms used by NTIS. Data base reference aid. Springfield, 1979. 48 p.

More than 900 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.

0581

NATIONAL TECHNICAL INFORMATION SERVICES. Social science and business microthesaurus: a hierarchical list of indexing terms used by NTIS. Springfield, 1982. 120 p.

0582

THE NEW YORK TIMES. The New York Times thesaurus of descriptors. 3.ed. New York, c1971. 1129p.

0583

NEW YORK TIMES INFORMATION BANK. The saurus; a guide for searching the Information Bank and for organizing, cataloguing, indexing and searching collections of information on current events. New York, 1978. 513p.

Each of the alphabetically arranged search terms is assigned one of four term types: S= Subject, P= Personal Name, O= Organization and G=Geographical Name. The thesaurus includes close to 700 000 terms, the great majority being personal and organization names. Abbreviations and acronyms are given

as terms. The edition contains also a user guide and guidelines for out-line searching.

0584

OCDE. Macrothesaurus; a basic list of economic and social development terms. English ed. Paris, c1972. 224 p.

0585

OCDE. Macrotesauro: lista básica de términos relativos al desarrollo económico y social. Versión preliminar. Santiago de Chile, CLADES, 1973. 2 v.

0586

OCDE. Macrothesaurus: lista dos principais descritores da OCDE relativos ao desenvolvimento econômico e social. Ed. portuguesa. Lisboa, Missão de Estudos do Rendimento Nacional do Ultramar, 1973. 2 v.

0587

OCDE. Macrothesaurus: lista dos principais descritores referentes ao desenvolvimento econômico e social. Ed. brasileira. Rio de Janeiro, IBBD, 1974. 427 p.

0588

OCDE. Macrothesaurus: liste des principaux descripteurs relatifs au développement économique et social. Ed. française. Paris, 1972. 222 p.

0589

ORGANIZAÇÃO INTERNACIONAL DO TRABALHO. CIS thesaurus occupational safety and health. Geneva, 1976. 110 p.

Each of the two parts of the thesaurus contains all the index terms. In Pt. 1, the faceted thesaurus, descriptors are arranged in facets: (1) Occupational hazards, (2) Consequences of hazards, (3) Techniques employed in investigating, (4) Protective and remedial measures employed by these investigations, (5) place of occurrence. In Pt 2 descriptors are arranged alphabetically, labelled with a letter classification code.



0590

ORGANIZAÇÃO INTERNACIONAL DO TRABALHO. ILO thesaurus: labor, employment and training terminology. 2.ed. Geneva, 1978, Reimp. 1980. 223 p. (s. ed., 1974; s. ed., 1976).

Main part in systematic and faceted arrangement (semantic groupings of descriptors), preceded by a listing of Subject Category Fields. KWOC- indexes for each of the languages mentioned with an index entry for every meaningful word. After each entry term the correct descriptor and the appropriate facet number are given.

0590a

ORNA, E. Engineering industry training board thesaurus. Watford, Herts., Engineering Industry Training Board, 1978. 135 p.

The list of terms which the EITB information service uses for its mission oriented indexing in the fields of training, education, economics, employment, management industry and commerce.

0591

OKONOMISCHES FORSCHUNGSINST. Thesaurus ökonomie. (Thesaurus of economics). 2.ed. Berlin, 1973. 2 v.

0592

OLDSÉN, C. F. et alii. Instructional materials thesaurus for special education. 2.ed. Arlington, Office of Education Bureau of Education for the Handicapped, 1974. 42 p.

Standard terminology for the indexing and retrieval of instructional material in the Special Education Instructional Materials Center / Regional Media Centers (IMC/RMC) Network, presented in three parts: alphabetical listing, rotated index and listing by category. The alphabetical listing provides definitions for all terms as well as scope notes.

0593

ORGANIZAÇÃO DAS NAÇÕES UNIDAS PARA O DESENVOLVIMENTO INDUSTRIAL. Thesaurus of industrial development terms. 3 ed. Viena, 1977. (s.ed., 1972; s. ed. 1976).

0594

RADULESCU, N. et alii. Thesaurus pädagogik. Suppl. 3; Fachwissenschaft im unterricht. Teil Musik. Berlin; Padagogisches Zentrum, 1977. 53 p.

The thesaurus for music education and musicology is meant as a complement to the thesaurus for education.

0595

RATIONALISIERUNGSKURATORIUM DER DEUTSCHEN WIRTSCHAFT (RKW). Thesaurus Betriebswirtschaft. (Thesaurus micro-economics/business management) Frankfurt, 1976-1977. 2v.

0596

REYNOLDS, Richard D. A thesaurus of descriptors for the audiovisual education field: subject headings and cross references for the literature of the audio-visual field. Indiana, Indiana University, 1973. 354 p.

0597

RISCHKOWSKY, F. Thesaurus Hochschulplanung. Ein aufgabenbezogener Thesaurus für die Literaturdokumentation der Hochschulinformationssystem - GmbH (HIS). Hannover, Pullach b. München; Verl. Dokumentation, 1973. 221 p.

0598

SANDEAU, G. Thesaurus du management et l'economie; language d'indexation pour les services de documentation et bibliothèques. 2.ed. Paris, Bureau Marcel Van Dijk, 1975. 2v. (1. ed., 1967-título: "La documentation économique dans l'administration des affaires-guide et plan de classement-Thesaurus de mots-clés").

0599

SAWYER, Deborah C. Canadian Education Subject Headings (CanESH): subject headings for the Canadian Education Index: "The Key to CEI". Vedettes-matière sur l'éducation au Canada: Vedettes-matière pour le Répertoire Canadien sur l'éducation: "La Clef du RCE". 6.ed. Toronto, Canadian Education Association, 1979. 66 p.

While this list is still in its developmental infancy, it does represent an established contribution to Canadi-



an bibliography. Its format may be described as modified Library of Congress. Users will find that subheadings are only listed under main headings when they are tied into the cross-reference structure; a full-list of subheadings is given at the end of the main list. French equivalents for main headings are given wherever possible. The cross-reference structure has been established to help lay users as much as bibliographic specialists.

0600

SCHMIDT, Heiner. Dachthesaurus pädagogik. Verzeichnis der Vorzugsbenennungen und Nichtdeskriptoren einschli. d. kategorialen Verknüpfungsbegriffe in der Literaturinformation der Duisburger Lehrbücherei: Zugleich Gesamtsachindex zur Erziehungswissenschaftlichen Dokumentation. Weinheim, Beltz Verl., 1976. 909 p.

0601

SCHULTZ, C. K. Social and rehabilitation service (SRS) research information system thesaurus. Washington, Department of Health, Education and Welfare. Social and Rehabilitation Service Div. of Res. Utilization, 1972. 68 p.

0602

SEEGER, Thomas & WERSIG, G. CEDEFOP thesaurus: main part, indexes. Berlin: PROGRIS Projektgruppe Informationssysteme, 1979. 249 p.

0603

SISTEMA DE INFORMAÇÃO BIBLIOGRAFICA DAS NAÇÕES UNIDAS. UNBIS thesaurus: list of terms used in indexing and cataloguing of documents and other materials relevant to United Nations programmes and activities. New York, United Nations Dag Hammarskjöld Library, 1981. 369 p.

0604

STARIKOVA, M. D. Information retrieval thesaurus "Territorial Ties". Leningrad, 1979. 288 p.

0605

UNESCO. The Unesco: IBE education thesaurus; a faceted list of terms for indexing and retrieving documents and data in the field of education with French and Spanish equivalents. Paris, Unesco, 1978. 348 p. (s.ed., 1973; s.ed., 1975).

The English edition of this thesaurus contains French and Spanish equivalents of the terms, arranged in a faceted order.

0606

VALK, Barbara G. HAPI: Thesaurus and name authority 1975-1977. Los Angeles, UCLA Latin American Center Publications, University of California, 1979. 113 p.

The HAPI Thesaurus and Name Authority contains in two sections all currently accepted access points to information appearing in the 1975, 1976, and 1977 volumes of the "Hispanic American Periodicals Index". The Thesaurus lists about 600 subject headings and cross references; the Name Authority lists personal and corporate names.

0607

VERNON, K. D. C. & LANG, V. The London classification of business studies: a classification and thesaurus for business libraries. 2.ed. London, Aslib, 1979. 253 p.

LCBS is the only classification scheme to have been compiled in this broad subject area since the second edition of the Harvard Classification of Business Studies was published in 1960. It differs from the Harvard Scheme in that it uses the principle of facet analysis as far as possible.

0608

VERNON, K. D. C. & NEWMAN, S. J. SCIMP/SCANP thesaurus 1980. London, London Business School Library, 1980. 124 p.

The SCIMP/SCANP Thesaurus covers the fields of business and management and is primarily an indexing tool for SCIMP and SCANP, but it is also intended for retrieving information online from the SCIMP/SCANP database held on the computer at the Helsinki School of Econo-



mics. The 1980 edition incorporates the supplement issued in July 1979 and also includes 186 new terms which have been added mainly as a result of suggestions made by the librarians of the 12 business schools of the European Business School Librarians Group who participate in the indexing work for SCIMP. Many more relationship terms have been added on the basis of a comparison with the 2nd edition of the London Classification of Business Studies and using the computer version of the SCANP thesaurus. The total is now nearly 6000 main and related terms. Available from: London Business School Library, Sussex Place, Regent's Park, London NW1, England.

0609

VIET, Jean. Cultural development. Développement culturel thesaurus. Strasbourg, Council of Europe, Cultural Affairs, 1976. 333 p.

0610

VIET, Jean. EUDISED: thesaurus multilingue 1982; liste alphabétique des descripteurs. Strasbourg, Council of Europe, Council for Cultural Cooperation, 1982. 146 p.

0611

VIET, Jean. EUDISED: thesaurus multilingue para o processamento da informação em educação. Ed. brasileira. Rio de Janeiro, Centro Brasileiro de Pesquisas Educacionais, 1974. 2 v.

0612

VIET, Jean. EUDISED: thesaurus multilingue para el tratamiento de la información relativa a la educación. Ed. española. Paris, Mouton, 1975. 378 p.

0613

VIET, Jean. EUDISED: multilingual thesaurus for information processing in the field of education. English ed. Paris, Mouton, 1974. 391 p.

The "European Documentation and Information System for Education" is concerned with educational documentation in the Council of Europe member states. The thesaurus is in two parts, a grouped and an alphabetical list of des-

criptors.

0614

VIET, Jean. International thesaurus of cultural development. Paris, UNESCO, 1980. 468 p.

This thesaurus endeavours to provide a language which can process information relating to all the aspects of economic and social development and at the same time, give a common dimension to the more specific vocabularies corresponding to each of them. Its aim is to offer in several widely spoken languages a common fund of terminology which has been duly tested in the practice of documentary analysis, in which adequate expression is given to the many approaches to development and in which the special vocabularies that translate them extensively find sufficient number of anchor points for an exchange of information among specialized agencies. The number of descriptors has almost doubled from one edition to the next.

0615

VIET, Jean. Macrothesaurus for information processing in the field of economic and social development. Paris, OCDE, 1978. 438 p.

0616

VIET, Jean. Macrothesaurus para el tratamiento de la información relativa al desarrollo económico y social. Nevada ed. española. Paris. OCDE, 1979. 428 p.

0617

VIET, Jean. Macrothesaurus pour le traitement de l'information relative au développement économique et social. Nouvelle édition française. Paris, OCDE, 1979. 434 p.

0618

VIET, Jean. Population multilingual thesaurus. Paris, Committee for International Cooperation in National Research in Demography, 1979. 562 p.



0619

VIET, Jean. Tesauro internacional de desarrollo cultural. Paris, UNESCO, 1981. 222 p.

0620

VIET, Jean. Thesaurus for information processing in sociology. Paris, the Hague, c1971. 335 p. (Publications série D. Méthodes et techniques/maison des sciences de l'Homme, service d'Échange d'Informations Scientifique, 3.).

0621

VIET, Jean. Thesaurus multilingue de population. Ed. française. Paris, Comité International de Coopération dans le Recherches Nationales en Démographie, 1979. 197 p.

0622

WHITE, Zach T. et alii. Thesaurus of accounting and auditing terminology. New York; Price Waterhouse, 1972-1974. 158 p.

Thesaurus consists of 3741 main term entries. Broader/narrower terms are indicated, as are related terms.

0623

WILMOT, Carole E. Classification/thesaurus for sport and physical recreation. London; The Sports Council, 1981. 185 p.

0624

ZENTRALSTELLE GESCHICHTSWISSENSCHAFTLICHE INFORMATION UND DOKUMENTATION BEIM ZENTRALINSTITUT FÜR GESCHICHTE DER ADW DER DDR zu BERLIN; Zentralsstelle Arbeiterbewegung und Marx-Engels Forschung am Institut für Marxismus-Leninismus beim Zentralkomitee der SED. Geschichtswissenschaftlicher Thesaurus. (Science of history thesaurus). Berlin, German Democratic Republic, Akademie der Wissenschaften der DDR, Zentralinstitut für Geschichte, Abt. Information und Dokumentation, 1976. 3 v.

This thesaurus on the science of history comprises 3 volumes: volume 1, Alphabetisches Register; Volume 2, Systematik; and Volume 3, Regelwerk.

TECNOLOGIA  
TECHNOLOGY

0625

AGÊNCIA INTERNACIONAL DE ENERGIA. Coal database thesaurus. London, 1980. 125 p.

0626

AGÊNCIA INTERNACIONAL DE ENERGIA ATÔMICA. INIS: terminology and codes for countries and international organizations, 1982. 759 p.

0627

AGÊNCIA INTERNACIONAL DE ENERGIA ATÔMICA. INIS thesaurus. Vienna, 1981. 756 p. (IAEA-INIS-13, Rev. 20).

20ème version du thesaurus nucléaire utilisé par le système INIS; liste des termes ajoutés et éliminés.

0628

AGÊNCIA INTERNACIONAL DE ENERGIA ATÔMICA. INIS thesaurus. Version française. Vienne, 1979. (IAEA, INIS-12, Rev. 15F).

0629

AGÊNCIA INTERNACIONAL DE ENERGIA ATÔMICA. Thesaurus des Internationalen Nuklearen Informationssysteme INIS. Deutsche Ausgabe, Wien, 1976. 655p. (IAEA-INIS-13 Rev. 10 D).

Complete translation of the English version, available from: ZAED, Kernforschungszentrum Karlsruhe, D - 7514 Eggenstein-Leopoldshafen.

0630

AITCHISON, Jean. Thesaurifacet; a thesaurus and faceted classification for engineering and related terms. Whetstone, Leic., The English Electric Co., c1979. 491 p.

0631

ALL-UNION EXTRA-MURAL INSTITUTE OF THE TEXTILE AND LIGHT INDUSTRIES. Information retrieval thesaurus for the clothing industry. Moskva, 1976. 278 p. Em russo.

The thesaurus contains 2300 lexical units of which 1900 are descriptors and 400 are non-descriptors. The main part is in alphabetical arrangement; a

systematic, a direct and an inverted keyword index facilitate the access.

0632

ALUMINIUM ASSOCIATION. Committee on Technical Information. Thesaurus of aluminium technology: a vocabulary of terms for the indexing and retrieval of literature dealing with aluminium technology. Washington, 1978. 210 p.

0633

AMERICAN PETROLEUM INSTITUTE. Abstracting and Indexing Service. API thesaurus. 18. ed. Washington, 1981. 233 p. (16.ed., 1979; 17. ed. 1980).

0634

AMERICAN SOCIETY FOR METALS. Thesaurus of metallurgical terms; a vocabulary listing for use in indexing, storage and retrieval of technical information in metallurgy. 5.ed. Ohio, 1981. 182 p. (2.ed., 1976; 3.ed., 1979; 4.ed., 1980).

0635

ARNAUD, P. L'officiel des plastiques et du caoutchouc présente: le thesaurus encyclopedique des plastiques et elastomeres. Avignon, SADEP, 1973. 475p.

0636

BLACK, W. T. Thesaurus of terms on copper technology. 7 ed. New York, Copper Development Association, 1981. 411 p.

0637

BOLDT, Roger & CHARIPAR, Gerald. Thesaurus used in the Program in Urban and Regional Planning. University of Iowa. Monticello, Council of Planning Librarians, 1971. 55 p.

Contains some 500 terms including geographic divisions extracted mainly from URBANDOC Thesaurus and Urban thesaurus.



0638

BONNICHON, Monique et alii. Traduction en espagnol et en portugais du vocabulaire des sciences et techniques alimentaires. Paris, Association pour la Promotion Industrie - Agriculture, 1980. 951 p.

Le CDIUPA (Centre de Documentation des Industries Utilisatrices de Produits Agricoles) a réalisé la traduction en espagnol et portugais du thésaurus utilisé pour l'indexation de sa base de données.

0639

BOTES, C. M. Iron and steel thesaurus. Pretoria, South African Iron and Steel Industrial Cooperation, 1979. 144 p.

0640

BRASIL. Departamento Nacional de Estradas e Rodagem. Microtesauro do DNER. Rio de Janeiro, 1981. n. p.

0641

BRASIL. Departamento Nacional de Estradas e Rodagem. Instituto de Pesquisas Rodoviárias. Thesaurus de termos de interesse rodoviário. 1980. 107 p. (s.ed., 1976).

0642

BRASIL. Ministério dos Transportes. Centro de Informática. Thesaurus do Sistema de Informação de Transportes. 2.ed. Brasília, Centro de Informática, 1977. 2 v.

0643

BRINN, D. G. The Strip Mills Division thesaurus of indexing terms. Sheffield, British Steel Corp., 1974. 88 p.

0644

BURBOROUGH, Y. M. FLAIR thesaurus. London, Ministry of Agriculture, Fisheries and Food (MAFF), 1971. n.p.

Tesauro sobre tecnología de alimentos y nutrición humana.

0645

BURRELL, James P. Source header list. Supplement 2. Alexandria, Defense Documentation Center, 1979. 208 p.

Source names used by the Defense Documentation Center in the Research and Technology Work Unit Information System, and the Technical Report, Program Planning, and Independent Research and Development Data Banks are compiled alphabetically.

0646

BYSTROV, E. A. Information retrieval thesaurus in shipbuilding: Russian / German, German/Russian. Leningrad, CNII Rumb, 1979. 132 p. (s. ed., 1978).

The thesaurus contains 886 descriptors, it is presented in two parts: a lexico-semantic part and a classified part. The monolingual thesauri from which this bilingual thesaurus was derived, are listed as well as normative-technical documents considered during the thesaurus development period.

0647

CENTRAL'NYJ INST. NAUCHNOJ INFORMACII PO STROITEL'STVU I ARHITEKTURE. Information retrieval thesaurus for construction and architecture. Vol. 3. Moskva, 1977. 73 p. Em russo.

0648

CENTRAL'NYJ INST. NAUCHNOJ INFORMACII PO STROITEL'STVU I ARHITEKTURE. Information retrieval thesaurus for construction and architecture. Vol. 5. Moskva, 1977. 20 p. Em russo.

0649

CENTRAL'NYJ INST. NAUCHNOJ INFORMACII PO STROITEL'STVU I ARHITEKTURE. Information retrieval thesaurus for construction and architecture. Vol. 6. Moskva, 1977. 80 p. Em russo.

0650

CENTRAL'NYJ INST. NAUCHNOJ INFORMACII PO STROITEL'STVU I ARHITEKTURE. Information retrieval thesaurus for construction and architecture. Vol. 7. Moskva, 1978. 325 p. Em russo.

All the 273 groups of descriptors are

arranged in increasing order of codes and presented as graphic diagrams indicating the hierarchic and associative links of concepts.

0651

CENTRAL'NYJ INST. NAUCHNOJ INFORMACII PO STROITEL'STVU I ARHITEKTURE. Information retrieval thesaurus in construction and architecture. 2. ed. Moskva, 1980. 445 p. Em rus so.

0652

CENTRE DE DOCUMENTATION INTERNATIONALES DES INDUSTRIES UTILISATRICES DE PRODUITS AGRICOLES. Thesaurus CDIUPA. Massy, France, 1975.

0653

CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE. Centre de Documentation. Thésaurus polymères. Liste alphabétique, hiérarchie des descripteurs, index alphabétique de la liste hiérarchique. Paris, 1973. 146p.

0654

CENTRO DE INFORMAÇÕES NUCLEARES. Glosário de termos nucleares inglês-alemão. Rio de Janeiro, 1981. 124 p.

0655

CENTRO PANAMERICANO DE ENGENHARIA SANITÁRIA E CIÊNCIA DO AMBIENTE. Microtesauro de ingeniería sanitária y ciencias del ambiente. Version revisada en español. s.l., Organización Panamericana de la Salud. 1980. 242 p.

0656

CHAMBRE SYNDICALE DE LA RECHERCHE ET DE LA PRODUCTION DU PETROLE ET DU GAZ NATUREL. Thesaurus économie de l'énergie. Paris, Technip., 1974. 237 p.

Provides a glossary of financial, economic and legal terms covering each branch of energy. Appendices: list of refineries, nuclear power stations, coal basins.

0657

CHAMBRE SYNDICALE DE LA RECHERCHE ET DE LA PRODUCTION DU PÉTROLE ET DU GAZ NATUREL. Thesaurus pétrole; exploration. production. Paris, Technip, 1971. 3v.

0658

CHERMETINFORMACIJA INFORM INST. & VINITI. Metallurgy Department. Information retrieval thesaurus for ferrous metallurgy. Moskva, 1978. 2 v.

The two volumes developed jointly by the Chermetininformacija Information Institute, Industry's Research Institute and the VINITI "Metallurgy" Department are divided into the parts to the hierarchical relations index (vol.1) and the lexico-semantic index (vol. 2 in 5 parts).

0659

CHILE. Empresa Nacional de Telecomunicaciones. Biblioteca Técnica. Tesauro de telecomunicaciones. Santiago, 1978. 2 v. (Ed. preliminar, 1977).

This Thesaurus comprises two volumes: 1) Presentación, Índice alfabético de los términos claves, Estructura jerarquizada de los términos claves, Anexos, Bibliografía; 2) Diccionario de Definiciones, and Diccionario español, inglés, francés y alemán.

0660

CITY UNIVERSITY OF NEW YORK. URBANDOC thesaurus. In: URBANDOC-a bibliographic information system: technical supplement 1 - general manual. New York, 1971. p. A1 - A120.

0661

COLBACH, R. Metallurgischer thesaurus. 1. Teil: Alphabetische Liste. S.D.I.M. Das metallurgische Dokumentations- und Informationssystem der Europäischen Gemeinschaften. Brüssel, Kommission der Europäischen Gemeinschaften, 1972. 122p.



0662

COMMISSARIAT À L'ÉNERGIE ATOMIQUE.

Centre d'Études Nucleaires de Saclay. Service de Documentation. Thesaurus du Système International de Documentation SIDON. 3.ed. Paris, Bureau National de l'Information Scientifique et Technique, 1973. 743 p.

0663

CONSIGLIO NAZIONALE DELLE RICERCHE.

Thesaurus delle scienze e della tecnologia della costruzione. Thesaurus internazionale elaborato Collegialmente dai membri del gruppo latino. Roma, 1977. 37 p.

0664

COSTA, Eunice R. Ribeiro & DOUCHKIN.

Tatiana. Thesaurus experimental de arquitetura. Sao Paulo, Faculdade de Arquitetura e Urbanismo da Universidade de São Paulo, 1982. 142 p.

0665

CROWTHER, Win. Thesaurus and documentation format for a model Latin American transport documentation system. Preliminary version. Santiago, CEPAL, Division de Transporte y Comunicaciones, 1973. 36 p.

0666

CURIO, Hans-Jürgen et alii. Fachthesaurus Luftverkehr und Randgebiete. (Thesaurus spécialisé d'aéronautique et domaines annexes). Köln, Deutsche Lufthansa A G/Berlin, Technische Universität, 1980. v. 1.

Thésaurus élaboré en commun par l'organisme de documentation de la Lufthansa et l'organisme de documentation sur l'aviation de l'Université Technique de Berlin. Le thésaurus comporte une partie alphabétique, des schémas fléchés, et diverses annexes. La partie alphabétique contient 15000 termes, (y compris homonymes et synonymes signalés par des renvois), dont 4400 descripteurs. La structure de thésaurus est hiérarchique.

0667

DITMER, Robert W. A thesaurus of planning terms. Monticello, Council of Planning Librarians, 1976. 41 p.

0668

DOKUMENTATION KRAFTFAHRWESEN. DKF-Thesaurus. Ein Verzeichnis von inhaltskennzeichnenden Begriffen zum Veranschaulichen und Wiederauffinden der Fachliteratur. (Thesaurus automotive engineering). Ludwigsburg, 1977. 519 p.

Contains some 7912 concepts and 8730 terms.

0669

DOKUMENTATION MASCHINENBAU IM FACHINFORMATIONSZENTRUM TECHNICK. Thesaurus Maschinenbau. 5.ed. Frankfurt, 1979. 671 p.

Contains about 20 000 terms for about 15 000 concepts. Thesaurus maintenance is accomplished using an enlarged programming system of IDC (International Documentation for Chemistry).

0670

DURR, W. T. & ROSENBERG, P. M. Urban information thesaurus: a vocabulary for social documentation, Westport, Greenwood Press, 1977. 375 p.

Prepared at the University of Baltimore by The Baltimore Region Institutional Studies Center (W.T. Durr, Director), Thesaurus "is weighted toward the areas of planning, urban development, human services and social history". The book contains: Preface. User's Guide. Glossary. Bibliography. A KWOC Index of the terms, a Main Index (alphabetical), a Hierarchical display, a Geographic Index and a List of Qualifiers.

0671

EGLIN, W. et alii. RESI - Thesaurus für das Informationssystem zur Reaktorsicherheit. (RESI-Thesaurus for the information system on reactor safety). Karlsruhe: Gesellschaft für Kernforschung (GFK), 1974. 332 p.

0672

ELECTRICITÉ DE FRANCE. Centre de Documentation. Thesaurus. Vol. I: Liste alphabétique, index, permuté. Vol. II: Liste par champ sémantique. Schémas fléchés. Clamart. France, 1973. 2 v.



- 0673  
EMPRESA BRASILEIRA DE PLANEJAMENTO DE TRANSPORTES - GEIPOT. Thesaurus de planejamento de transporte. Rio de Janeiro, 1979. 2 v.
- 0674  
ENGINEERING INDEX. Engineering index thesaurus. New York, CCM Information Corp., 1972. 402 p.
- 0675  
ENGINEERING INDEX. Subject headings for engineering - SHE 1972 including 1981 supplement. New York, 1980. 199 p.
- SHE contains more than 12 000 authorized permutations of main headings and specifically assigned or allowable subheadings.
- 0676  
ENGINEERS JOINT COUNCIL. Thesaurus of engineering and scientific terms (TEST); a list of engineering and related scientific terms and their relationships for use as a vocabulary reference in indexing and retrieving technical information. New York, 1969. 690 p.
- 0677  
ENGINEERS JOINT COUNCIL. Vocabulário de termos de engenharia e de termos científicos; parte introdutória. Uma lista de termos de engenharia e de termos científicos afins e suas relações, para ser usado como um vocabulário de referência na indexação e recuperação de informações técnicas. Trad. por Maria Alice Pompéia. São Paulo, Departamento de Águas e Energia Elétrica, 1972. 51 p.
- 0678  
ESCUELA TÉCNICA SUPERIOR DE INGENIEROS INDUSTRIALES. (Tarrasa). Departamento de Documentación. Thesaurus textil international. Ed. española. Tarrasa, 1971. 3v.
- 0679  
EUA. Army Engineer Waterways Experiment Station. Microthesaurus of vehicle mobility, environment and pavement terms. Vicksburg, Miss, 1975. 135 p.
- The terms cover the three areas mentioned in the title as related to military research. Contains around 2000 main term entries.
- 0680  
EUA. Army Engineer Waterways Experiment Station. WES microthesaurus of scientific and technical terms. Vicksburg, 1977. 602 p.
- This microthesaurus lists in depth approximately 10,000 basic technical terms in the several fields which comprise the principal areas of interest of the US Army Engineer Waterways Experiment Station, arranged in the format prescribed by the Committee on Scientific and Technical Information displaying the hierarchical relationships among the terms. Certain nontechnical terms common to all subject areas in research and development are included to provide a complete vocabulary of concepts.
- 0681  
EUA. Defense Documentation Center. DDC retrieval and indexing terminology posting terms with hierarchy and KWOC. 2.ed. Alexandria, Defense Documentation Center, 1979. 376p.
- This Second Edition of the DDD Retrieval and Indexing Terminology (DRIT) displays DDC's controlled Posting Term vocabulary. This vocabulary, supplemented by DDC- assigned identifiers and open-ended terms is used to index DDC's scientific and technical literature. It has been revised to exclude some 250,000 natural language Use References which are presently undergoing extensive revision.
- 0682  
EUA. Department of Energy. Technical Information Center. Energy information data base: subject thesaurus. Oak Ridge, Tenn., 1979. 864 p.
- The terminology of this thesaurus is used for the subject control of information announced in DOE Energy Research Abstracts, Energy Abstracts for Policy Analysis, Solar Energy Update, Geothermal Energy Update, Fossil Energy Update, Fusion Energy Update, and Energy Conservation Update. This termi



nology also facilitates subject search of the DOE technical energy information data base, a research in progress data base describing energy-related research, federal energy data index for statistical data, and a general and practical information data base on the DOE on-line retrieval system, RECON.

0683

FEINBERG, Hilda. Cosmetics-perfumery thesaurus. New York, C.C. M. Information, 1972. 106 p.

0684

FRANÇA. Secretariat des Missions d'Urbanisme et d'Habitat. Centre de Documentation. Thesaurus. Paris, 1975. 2 v.

0685

GORKOVENKO, K. A. et alii. Thesaurus for nuclear science and technology. Lexico-semantic index, list of identifiers, reactors, accelerators. Moskva, Atomizdat, 1976. 272p. Em russo.

List of identifiers for the "Reactors. Nuclear-powered vessels. Accelerators" section. It supplements the lexico-semantic index to the Thesaurus for nuclear science and technology. The volume lists foreign and Soviet-made reactors, etc. The names are filed by the English alphabet. Descriptors for concrete installations are entered together with brief summaries indicating the unit's physico-technical characteristics and specifying the respective INIS code.

0686

GOSINTI. Information retrieval thesaurus for bread baking. Moskva, 1975. 287 p. Em russo.

Description of the bakery information retrieval thesaurus, used in the Kvantor IR system. It contains 3000 lexical units or 2600 descriptors and 400 keywords, arranged alphabetically with three supplementary indexes. In addition there is a list of linkwords and two indexes to it.

0687

GOSINTI. Information retrieval thesaurus for forestry and forest industry. Moskva, 1975. 225 p. Em russo.

Thesaurus comprises 2500 terms (2210 descriptors and 290 keywords). The descriptor entries are arranged alphabetically. Three indexes (classified, direct keyword and inverse keyword indexes) provide additional access.

0688

GOSINTI. Information retrieval thesaurus for railway transport. Moskva, 1975. 296 p. Em russo.

Lists alphabetically about 3000 terms in the railway transportation field and several allied fields. (2800 descriptors and 200 keywords). Three auxiliary indexes (classified, direct and reverse keyword indexes) help to provide access as well as a list of 'service keywords'.

0689

GRÄ-BRETANHA. Department of Environment. Construction industry thesaurus. 2.ed. London, CIT Agency. Polytechnic of the South Bank, 1975. 419 p.

Terms are presented in two sections: an alphabetical listing and a classified display. The full version contains 14 000 terms, an abridged version (for £ 9.-) contains only 2 500 terms. It is meant as a control vocabulary, a glossary of preferred terms and as a tool for classification study.

0690

GULL, C. D. et alii. Thesaurus for the national neighbourhood information exchange; Springfield, NTIS, 1979. 103 p.

Covers the physical, economic and social environment. Was prepared for the Department of Housing and Urban Development, Washington, DC.

0691

HÖVELBORN, P. et alii. Thesaurus Stadtplanung/raumordnung. Vol. 1: subject-oriented part, Vol. 2: Alphabetical part. 2.ed. Stuttgart Universität, Städtebauliches Institut, 1975. 417 p. (led., 1972).

Vol. 1, organizes "wordfields" in 22 hierarchically divided groups.

0692

INSTITUT DE CÉRAMIQUE FRANÇAISE. The-  
saurus céramique. Sèvres. 1972 .  
243 p.

0693

INSTITUT DE RECHERCHE EUROPÉENS CUIR  
ET CHAUSSURE. Group de Travail Do-  
cumentation. Shémas fléchés; thésau-  
rus trilingue de mots-clés cuir et  
chaussure. s.l., 1972. 109 p.

0694

INSTITUT DU VERRE. Thesaurus du ver-  
re. Paris, 1971. 2v.

0695

INSTITUT TECHNIQUE D'ÉTUDES ET DES RE-  
CHERCHES DES CORPS GRAS. Thesaurus  
multilingue des industries de corps  
gras et produits apparentes. 3. ed.  
Paris, 1978. 120 p.

0696

INSTITUTION OF ELECTRICAL ENGINEERS.  
INSPEC thesaurus. London, 1983 .  
510 p. (s.ed., 1973; s.ed., 1975 ;  
3.ed., 1977; s.ed., 1978; s.ed.,  
1981).

0697

INSTITUTO CENTROAMERICANO DE INVESTI-  
GACIÓN Y TECNOLOGIA INDUSTRIAL. Te-  
sauro de información industrial Cen-  
troamerica y Republica Dominicana.  
Guatemala, 1979. 301 p.

0698

INSTITUTO INTERNACIONAL DE SOLDA. The  
international welding thesaurus. 2.  
ed. Abington Hall, Cambridge,  
c1980. 155 p.

0699

JONES, K. P. Thesaurus of rubler tech-  
nology. Welwyn Garden City, Natural  
Rubler Producer's Res. Assoc., 1972.  
65 p.

0700

KEMEROV. MEZHOTRASL. TERRITOR. CENTR.  
NAUCH.-TEHN. INFORM. I. PROPAGANDY.  
SEMIPALAT. FIL. DZHAMBUL. TECHNOL.  
INST. LEGK. PROM-STI. M-VO VYSSH.  
I SRED. SPEC. OBRAZUVANIJA. KAZSSR.  
Information retrieval thesaurus for  
the dairy industry. Moskva, 1976 .  
333 p. Em russo.

The thesaurus contains 3800 entries  
of which 3400 are descriptors and 400  
keywords. Main part in alphabetical  
arrangement; a systematic, a direct  
and an inverted Keyword index facili-  
tate the access.

0701

KENCCHOVELI, M. S. et alii. Informa-  
tion retrieval thesaurus for the tea  
industry. Tiflis, Grus. NII NTI ,  
1973. 232 p. Em russo.

The thesaurus comprises 1 107 terms,  
of which 1020 are descriptors and 87  
keywords, arranged in (1) alphabetical  
sequence, (2) classified sequence and  
(3) a hierarchical relations index.

0702

LAPPIN, J. A. E. et alii. DTNSRDC li-  
brary subject thesaurus. Bethesda,  
David W. Taylor Naval Ship Research  
and Development Center, 1980. 763p.  
(NTIS report AD- A082 829).

David W. Taylor Naval Ship Research  
and Development Center Library Subject  
Thesaurus, which exists both as a prin-  
ted document and as an on-line compu-  
ter file, supports the indexing and  
retrieval functions of the library's  
automated storage and retrieval sys-  
tem. The hierarchical structure of the  
vocabulary permits generic retrieval.  
For example, a search on naval vessels  
will retrieve documents that had been  
indexed under all naval ship types.  
Several 'switching' relationships pro-  
vide an automatic cross-referencing ca-  
pability.

0703

MAL'CEVA, G. F. English-Russian the-  
saurus of descriptors for accelera-  
tor engineering and termonuclear  
plants. Parts I and II. Leningrad,  
1975-1976. 63+61 p.

A general alphabetical code list of  
English keywords and descriptors with  
Russian equivalents.

0704

MANN, E. J. IFIS thesaurus. Shinfi-  
eld, International Food Information  
Service, 1977. 1 v.

The thesaurus covers the descriptors  
and non-descriptors (lead-in-terms) u-



sed in the abstracting service Food Science and Technology Abstracts (FSTA) ever since its beginning.

0705

MOTOR INDUSTRY INFORMATION GROUP. Automotive engineering terms; a thesaurus. s.l., 1974. 40 p.

0706

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION. NASA thesaurus. Washington, 1976. 2 v.

0707

NATIONAL TECHNICAL INFORMATION SERVICE. Energy microthesaurus: a hierarchical list of indexing terms used by NTIS. Springfield, 1976. 86 p.

0708

NAVAL SCIENTIFIC AND TECHNICAL INFORMATION CENTRE. Thesaurus of descriptors. 5.ed. St. Mary Cray, 1970. 140 p.

0709

NEW YORK INSTITUTE OF TECHNOLOGY. Center for Energy Policy and Research. Thesaurus of descriptors for the vertical file system. Old Westbury, 1977. 40 p.

The thesaurus used for the NYIT Energy Information Center is presented. The center is a comprehensive information service covering every aspect of energy conservation and related technology, including conservation programs and practices, alternative energy systems, energy legislation, and public policy development in the United States and abroad. The Thesaurus includes all subject headings found in the Vertical File as well as other cross referenced terms likely to come to mind when seeking information on a specific energy area.

0710

NII INFORM. PO MASHINOSTROENIJU. Information retrieval thesaurus in machine-tool and tool manufacture. Moskva, 1980. 224 p. Em russo.

0711

NOBBS, P. M. & VROOM, K. E. Thesaurus of pulps and paper terms. Pointe Claire, Pulp and Paper Research Institute of Canada, 1971. 426 p.

0712

PORTOBRÁS. Microtesouro de transporte aquaviário. Versão preliminar. Brasília, 1981. 239 p.

0713

POSJAKINA, N. A. ed. Bulgaro-Russian information retrieval thesaurus in instrument-making, automation and control systems. Moskva, 1980. 3v.

0714

RENARD, T. L. et alii. IR thesaurus in polymer classes. Moskva, VINITI, 1979. 42 p.

Consists of the following sections : Introduction, lexico-semantic list of descriptors and non-descriptors, systematic index of genus-species relations, and the structural fragments of polymer classes.

0715

SAHA, R. Concept interlinking in coal carbonization; a thesaurus. New Delhi, Indian National Scientific Documentation Centre, 1979. 183 p.

0716

SANTANDER, N. R. & RESTREPO, M. E. Te sauro de cemento, concreto y construcción. Medellín, Instituto Colombiano de Productores de Cemento, 1974.

0717

SANTOS, Francisco Ruas. Pesquisa integrada na documentação do Ministério dos Transportes. Rio de Janeiro, Ministério dos Transportes, Centro de Documentação e Publicação, 1975. 180 p.

0718

SAWILLA, E. Thesaurus Feinwerktechnik; Ein alphabetisches und systematisches Verzeichnis von Fachbegriffen in der Feinwerktechnik. München, Verlag Dokumentation Saur KG, 1978. 564+196 p.

This Thesaurus for instrument technology comprises about 12,000 terms. In the alphabetic section the usual thesauric conventions have been applied to show relations among the terms, and in the systematic section some 7,500 terms are listed under 18 subject categories.

0719

SISTEMA DE INFORMAÇÕES EMPRESARIAIS DO SETOR DE ENERGIA ELÉTRICA. Thesaurus do setor de energia elétrica. Ed. preliminar. s.n.t. 347 p.

0720

UNIÃO INTERNACIONAL DE ESTRADAS DE FERRO. Railway thesaurus. Paris, 1979. 126 p.

0721

VDI -Documentation Fertigungsverfahren. VDI Thesaurus Technik. (VDI thesaurus on technology). Düsseldorf, 1980. 26 p.

This thesaurus for technology comprises about 3000 descriptors including many 'see' and 'see also' references all in one alphabet.

0722

VJAZOVETSKAJA, V. A. et alii. Information retrieval thesaurus for building and architecture. An alphabetical list of descriptors and non-descriptors. Moskva; Central'nyj Inst. Nauch. Inform. po. Stroitel'stvu i Architekture 1980. 192 p. Em russo.

0723

WHO INTERNATIONAL REFERENCE CENTRE FOR WASTES DISPOSAL. Solid wastes thesaurus. Dvebendorf, Institute for Water Resources and Water Pollution Control, 1973. 63 p.

0724

ZARUBINA, A. A. Thesaurus for nuclear science and technology. Lexico-semantic index. Appendix 1. List of identifiers. Isotopes. Moskva, Atomizdat, 1976. 164 p. Em russo.

The volume is a list of identifiers for the Isotopes section; it supplements the lexico-semantic index to the Thesaurus for Nuclear Science and Technology. Isotopes are listed according to the Russian alphabet. Each isotope descriptor has a vocabulary entry which includes its nuclear-physics characteristics and its code adopted from the INIS Thesaurus.

0725

ZENTRALSTELLE DOKUMENTATION ELEKTROTECHNIK IM FACHINFORMATIONSZENTRUM-TECHNIK. Thesaurus eletrotechnik (The saurus of electrical engineering). 6.ed. Frankfurt, 1980. 487 p.

0726

ZENTRALSTELLE DOKUMENTATION ELEKTROTECHNIK IM FACHINFORMATIONZENTRUM TECHNIK. Thesaurus Feinwerktechnik. (Thesaurus precision mechanics). Offenbach, 1978. 212 p.

Contains ca. 3900 concepts and 4900 terms in alphabetical order.



DESCRIPTION AND ANALYSIS

8123  
ALLEN, J. W. The design of a...  
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8124  
ALLEN, J. W. The design of a...  
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8125  
ALLEN, J. W. The design of a...  
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ALLEN, J. W. The design of a...  
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PORTE 3

Descrição e análise  
Bibliografias  
Clearinghouse

PART 3

Description and analysis  
Bibliographies  
Clearinghouse





DESCRIÇÃO E ANÁLISE  
DESCRIPTION AND ANALYSIS

0727

AITCHISON, Jean. The EUDISED thesaurus: a preliminary appraisal. Education Libraries Bulletin, 18(3):12-25, Autumn 1975.

0728

AITCHISON, Jean. The thesurofacet: a multipurpose retrieval language tool. Journal of Documentation, 26(3):187-203, Sept. 1970.

0729

AITCHISON, Jean. Thesurofacet - A new concept in subject retrieval schemes. In: SUBJECT retrieval in the seventies. Edited by H. Wellisch and T. D. Wilson. Westport, Conn., Greenwood, c1972. p. 72-98.

0730

ALLAIRE, F. et alii. Un nouvel outil: Le thesaurus economie de l'energie. Revue française de l'energie, 26(270):532-45, 1970.

0731

ANJANEYULU, V. NASA thesaurus in information retrieval. In: SEMINAR ON THESAURUS IN INFORMATION SYSTEM, Bangalore, 1-5 dezembro 1975. Papers. Bangalore, Documentation Research and Training Center, 1976. p. C20-C24.

0732

ASÍS, M. Extensive use of an information retrieval thesaurus in clinical and instructional work in psychology and psychiatry. Inform. FID/CLA, 35:29-34, 1980.

A thesaurus in parapsychology developed in Cuba in 1977 is described. It is pointed out that after suitable revision it can be used not only in information retrieval but in clinical and instructional work.

0733

BLEHOVA', Eva. Thesaurus descriptoru automatisovaného informočního systému zdravotnictví Bibliographia medica Cechoslovaca. (Descriptor thesaurus for the automated health information system Bibliographia medica Cechoslovaca). Zdrav. dok., 18(3-4):241-42, 1979. Em tcheco.

A thesaurus was compiled and printed in 1979 a limited edition in 1979 which is intended for computer-based production of Bibliographia medica Cechoslovaca. The thesaurus comprises 7,000 descriptors and is based on the 1977 Medical Subject Headings which are used in MEDLARS. Along with Czech-language descriptors their English equivalents are listed which makes the thesaurus a termological dictionary.

0734

BLUMENBACH, D. Thesaurus phytomedicine. Structure and experiences from its application in indexing. Mitt. Ges. Bibl. wes. u. Dok. d. Landbaues, 25:33-54, 1977. Em alemão.

The thesaurus has been used for the indexing of approx. 150 000 bibliographic items and about 3000 requests. It is continuously updated. Description of its structure, number of descriptors, statistical data concerning corrections and retrieval times.

0735

BOOTH, Barbara. A look at ERIC ten years. Education Libraries Bulletin, 18(3):1-11, Autumn 1975.

0736

BOOTH, Barbara. New ERIC thesaurus, finetuned for searching. Online, 3(3):20-9, July 1979.

Notes the history of the ERIC indexing vocabulary and the Identifier Cleanup undertaken to reduce scattering in the identifier field. Described in detail is the Vocabulary Improvement Project to review and revise the controlled vocabulary and produce a new Thesaurus of ERIC Descriptors.

0737

CAMPBELL, D. J. Review on "Thesaurus-facet". IAR, 73(6):120-21, June 1971.

0738

CHMIELEWSKA-GORCZYCA, Eva. The SPINES thesaurus- a controlled systematic science and technology vocabulary for science policy, management and development. Zag. inform. nauk . , 2:93-111, 1977. Em polones.

Description of the features of this thesaurus of Unesco, developed in 1976.

0739

CHMIELEWSKA-GORCZYCA, Eva. Wielojezyczny tezaurus fasetowy Unesco IBE w zakresie osuwiaty i Kształcenia . (The Unesco: IBE multilingual faceted thesaurus in education). Zag. inform. nauk, 2:168-80, 1979. Em polones.

0740

CHVOSTOV, N. N. Development of the medicine thesaurus: methodological problems. In: IV Vses. Konf. "Probl. razvitija edinoj sistemy nauc. - techn. inform. v. strange". Moskva, 24-27 cent. 1974. Moskva, VINITI, 1974. 14 p. Em russo.

The All-Union Research Institut of Medical and Medical-Technological Information has developed Information Retrieval Thesaurus for Medicine (1973) which is the basis of the IR language for the sectoral IR system. The thesaurus comprises 9500 descriptors and 2300 non-descriptors. It has the following structure: the subject authority list ( a part of the All-Union Information Classification), the alphabetic sequence, the classified sequence, which is represented by 12 descriptor fields built by facets (organisms, anatomic terms, diseases , etc.).

0741

COMMUNITY information system thesaurus of index terms. In: AINLEY, P. Basics of community information: an action hand-book for librarians. London, 1980. p. 43-59.

0742

COSTA, Eunice R. Ribeiro. Thesaurus de vias urbanas. Revista Brasileira de Biblioteconomia e Documentação, 12(1-2):51-66, Jan./June 1979.

The thesaurus was constructed for use in the library of the University of São Paulo Faculty of Architecture and Urban Studies. In a full introduction, the treatment of terminology and the structural basis are discussed, with notes on the style of presentation. The thesaurus itself is given in full, in five sections: a hierarchical plan, alphabetical list of terms, systematic list of descriptors, hierarchical index of descriptors, and glossary.

0743

DAHLBERG, Ingetraut. The Broad systems of Ordering (BSO) as a basis for an integrated social sciences thesauri? Int. Classif., 7(2):66-72, July 1980.

Investigation of the feasibility of using relevant parts of the BSO as the basis for an integrated thesaurus of the social sciences comprising all existing thesauri and classification systems in this area. BSO's coverage of the social sciences was found to be relatively small compared with the corresponding classes of the Dewey Decimal Classification, the Bliss Classification and the Unesco Thesaurus. BSO falls short in its structural features as exemplified by its method of classification and concept arrangement with its reversing rule for citation order. BSO was not designed for the purpose of integrating other systems. It cannot therefore be blamed for its non-suitability for such an application.

0744

DE HALLEUX, B. & ERGO, A. B. Characteristics of an agricultural documentation system: the CIDAT/CITLO indexing system. Cah. Doc., 38(3-4): 125-35, 1974. Em frances.

Incluye análisis del tesoro y vocabulario usado por el CIDAT.



0745

DEWEZE, Andre. "THESEE" - Thésaurus pour l'électricité et l'électronique: description et méthode d'utilisation. T. A. Informations, 15 (1):2-51, 1974.

0746

DUBUC, Pierrette & BRUNET, Lise. Un outil pour le partage des ressources: le thésaurus de l'enfance inadaptée. (A tool for the sharing of resources: the thesaurus of maladjusted childhood). In: CANADIAN CONFERENCE ON INFORMATION SCIENCE. 7., Banff, Alberta, 1979. Sharing resources-sharing costs: proceedings. Ottawa, Canadian Association for Information Science, 1979. p. 375-83.

A controlled indexing language has been developed at the Sainte Justine Hospital, Quebec, over 5 years. 2 languages were produced: one for the library and one for the resource centre. Recently these 2 languages have been merged to make a thesaurus. This project was funded by the Ministry of Social Affairs.

0747

DUTRA, Maria Riza Baptista et alii. O thesaurus experimental da constituição. Rev. Bibliotecon. Brasília, 5(1):203-18, jan./ jun. 1977.

O montante e a diversidade das normas legais a serem implantadas no Sistema de Recuperação de Dados desenvolvido pelo PRODASEN e pela Subsecretaria de Análise do Senado Federal indicaram a necessidade de utilizar-se, para análise e posterior recuperação dessa legislação, um instrumento de controle de linguagem. Optou-se pela criação de um "THESAURUS". A inexistência de "THE SAURI" específicos para este campo e de pessoal treinado em sua estruturação determinou a execução de um Projeto Piloto, utilizando-se a Emenda Constitucional I de 1969, que abrange um universo amplo em informações, e possui uma estrutura interna definida. Assim, os processos, rotinas e documentação exigidos pelo trabalho resultaram em treinamento de pessoal, criação de um documento capaz de ser utili-

zado como paradigma, e, especialmente, adaptação do serviço ao "software" disponível.

0748

EL HADI, M. CAFRAD information retrieval system (CAFRADIRS) with particular emphasis on CAFRAD thesaurus of administrative information descriptors. In: OFFICIAL report of the African seminar for librarians and documentalists of administrative information services. 31 March - 7 April 1975. Achimota, Ghana Institute of Management and Public Administration, 1975. p. 211-28.

CAFRADIRS users and optical coincidence card coordinate indexing system. The Thesaurus is the backbone of the entire system. Its objective, compilation and structure are described, together with the method of displaying descriptors, and the principles followed in choosing the form of descriptors. About 2,268 terms are contained in the preliminary English edition issued in Aug 73 and 70 have since been added. Briefly discusses retrieval methods.

0749

FOX, Nick et alii. The ERIC thesaurus: an analysis. Educ. Libr. Bull., 21(3):14-30, Autumn 1978.

This analysis of the ERIC thesaurus was carried out by 4 undergraduates (now graduates) of Liverpool Polytechnic's Department of Library and Information Studies as part of their assessed course work during their final year, (1977/78). The structure of the Thesaurus of ERIC descriptors is critically examined and comments are made on its descriptors, scope notes and multiword terms. 4 on-line searches in 3 other educational thesauri is compared with that in the ERIC thesaurus. One of the on-line searches was also carried out manually using British education index; the manual search took 24 minutes, compared with 3 minutes for the on-line search, but provided 7 additional references.



0750

GERD, A. S. et alii. Informatsionno-poiskovyi tezaurus po stalyam. (Information retrieval thesaurus on steels). Nauchno-techn. Inform., Ser. 2, 1:25- 6, 1977.

The information retrieval thesaurus for steel, constructed by the members of the Chair of Mathematical Linguistics of the Leningrad State University together with specialists in metallurgy, includes: an alphabetical list of descriptors, synonyms, etc.; an index of hierarchical relationships; definitions; and a permuted index of terms. It was constructed from a representative sample of materials on the production, processing, structure and use of steel. There are 2000 basic descriptors and 700 synonyms.

0751

GOLUBEVA, N. E. et alii. O tezauruse klassov organicheskikh soedinenii. (On the thesaurus of organic compounds classes). Nauchno-Tekhnicheskaya Informatsiya. Series 2, 5:6-8, May 1980. Em russo.

A thesaurus of organic compounds classes containing about 700 lexical units is compiled in the VINITI. It is formed with the lexical and semantic vocabulary of descriptors and non-descriptors, the systematic register of descriptors' generic and specific relationships and the list of structure fragments of organic compounds classes. To detect the cases of synonymy, generic, specific and associative relationships, as well as to joint lexical units within conventional equivalency groups, gross formulas of compounds' bonds were used as the codes of organical compounds classes.

0752

GRUNERT, M. et alii. Der "Zweisprachige informationsrecherchetesaurus chemie und chemische technologie" (russisch-deutsch: deutsch-russisch) - Struktur und erarbeitungsmethodik. (The structure and production methods of the bilingual information retrieval thesaurus on chemistry and chemical technology (Russian-German, German-Russian). Informatik, 24(2): 27-9, 1977.

The thesaurus, published 1976, was produced jointly by the Soviet (VINITI) and East German (ZIID) central institutes for information and documentation, as part of the cooperation between COMECON countries in developing information on chemistry and chemical technology. It contains the most generally accepted chemical terms, selected on the basis of the subject index to the chemistry section of Referativnyi Zhurnal. The thesaurus contains about 2,500 terms, being fairly small since it was not produced by machine. The subject group structure is described in detail. The thesaurus is in 2 volumes, the list containing the Russian alphabetical and systematic lists, the 2nd, those in German. Each entry is followed by the equivalent term in the other language. The thesaurus will be tested in indexing and retrieval experiments; it is intended as a model for other bilingual thesauri.

0753

HARSHA PAREKH. The Unesco-IBE education thesaurus: an evaluation. In: SEMINAR ON THESAURUS IN INFORMATION SYSTEMS, Bangalore, 1-5 1975. Papers. Bangalore, Documentation Research and Training Center, 1976. p. C 46-C 52.

0754

HEINZE, Claus. Aufgaben, Hauptfunktionen und Aufbau des Thesaurus des Ministerrates der DDR. Informatik, 19(5):14- 8, 1972.

0755

HÖPKER, W. - W. Struktur und kompatibilität des Thesaurus der medizin. (Structure and compatibility of the Thesaurus of Medicine). Int. Classif., 3(2):81- 4, Nov. 1976

The medical thesaurus described is an international, compatible thesaurus in the German language the structure of which is based upon a hierarchical classification and a variable classification of facets. Both classification principles are shown by three digit letters and figures. The thesaurus is compatible with the Clinical Key of Diagnosis (KDS), the International Classification of Disease (E) (ICD/E),



and the Systematized Nomenclature of Pathology (SNOP). Its volume comprises 22,000 different terms.

0756

KUMAR, S. K. et alii. Thesaurus: an ideal tool for vocabulary control in post-coordinate systems; INIS thesaurus - a case study. In: SEMINAR ON THESAURUS IN INFORMATION SYSTEMS, Bangalore, 1-5 dezembro 1975. Papers. Bangalore, Documentation Research and Training Center, 1976. p. C 1 - C 5.

0757

LESKA, M. Standardization thesaurus. Normalizacja, 44(3):30-2, 1977. Em polones.

Description of the design procedure and the scope of the thesaurus.

0758

LESKA, M. & LESKI, K. Tezaurus informacji naukowej. (Thesaurus on information science). Aktualne Problemy Informacji i Dokumentacji, 17(3):9-13, 1972.

0759

LESKA, M. & LESKI, K. The thesaurus for scientific information of VINITI. Aktual. Probl. Inform. Dok., 19(6):26-30, 1974. Em polones.

Description of the thesaurus and statement that a multilingual thesaurus in scientific information is urgently needed.

0760

MACGREGOR, A. N. EUDISED: a progress report. Education Libraries Bulletin, 18(1):1-6, Spring 1975.

0761

MAUSBERG, W. A thesaurus for a parliamentary information system. In: IFIP Congress. New York, American Elsevier Publ. Co., 1974. vol 5. p. 1080-84.

Report on the structure of a thesaurus for the legislative bodies of the Federal Republic of Germany and on the planned use of ADP for updating, maintaining and using for indexing and retrieving. Its starting base were

about 20 000 terms.

0762

MERILÄINEN, Outi. Pohjoismainen KDI-tesaurus. (A Nordic thesaurus for library and information science and documentation). Signum, 13(3): 70-2, 1980.

The work was started in 1977 by Nordic library schools and the Nordic Centre for Information and should be finished at the end of 1980. The thesaurus is in the 4 Nordic languages and includes 587 terms presented in a hierarchy. Out of these terms 519 refer to library and information science and 68 are closely related to it. An existing Norwegian thesaurus is being translated into the other Nordic languages. There are some difficulties in translating some of the terms into Finnish. The 1st edition of the thesaurus will not include many terms on library theory, but concentrates on library routines.

0763

MUSSO, V. & ZANGRANDO, R. The FIAT thesaurus: an experiment by a multinational company. In: EUROPEAN CONGRESS ON INFORMATION SYSTEMS AND INFORMATION SYSTEMS AND NETWORKS 3., Luxembourg, 1977. Overcoming the language barrier: proceedings. Munich, Verlag Dokumentation, 1977. v.2, p. 57 - 70.

The Fiat Company's thesaurus comprises approximately 4,000 keywords- uniterms and polyterms selected during the scanning of documents of interest to the Company. The vocabulary is mainly in Italian, but other languages are also represented. The foreign terms adoted denote concepts which the Italian language does not yet cover. The vocabulary stood up well when used by persons whose mother tongue was not Italian. The instruction for use of the thesaurus, which differ for input and output, are the feature requiring most attention.

0764

NEIL, A. G. The new London Education classification and thesaurus. Education Libraries Bulletin, 17(3): 11-20, Autumn 1974.



0765

NORRIS, C. MeSH- the subject heading approach. Aslib Proc., 33(4): 153-59, Apr. 1981.

MeSH is the thesaurus of 16,000 descriptors used in indexing the biomedical literature for Index Medicus and MEDLARS. MeSH is revised each year. It is published in two parts. The first lists the headings in alphabetical order and includes cross references from related terms as well as synonyms. The second part is a classified arrangement of the headings into hierarchies, called the MeSH Tree Structures. In the Tree Structures, the headings are allocated to one or more of 15 categories; within each category the headings are arranged hierarchically from the most general to the most specific. The coordinate indexing principles used in MEDLARS and the recommended search procedure using MeSH are described. Supporting methodological materials on MeSH application are listed and details are given of the basics of indexing of bacteris, viruses, invertebrates and vertebrates, and plants. Users of MEDLINE have the facility to use textwords appearing in the titles or abstracts of citations as well as MeSH headings for retrieval. One can use them separately or in combination to achieve the best effect.

0766

PASEK, J. Thesaurus of engineering geology. Bull. Intern. Assoc. Eng. Geol., 10:5-8, 1974.

Development of a thesaurus for engineering geology in the CSSR. Description of structure and content of the thesaurus.

0767

PLANTE, Simone & GRANDJOUAN, Jean-Marie. Un macrothésaurus des sciences et techniques. In: COMMUNICATIONS au 1. Congrès National Français. Sur l'information et la Documentation, organisé par l'A.D.B.S. et l'A.N.R. T. à Paris, 4-6 décembre 1974. Paris, Centre de Documentation du C.N.R.S., 1974. p. 157-68. (Communication n. 16).

0768

PLANTE, Simone et alii. The macrothésaurus des sciences et techniques. Documentaliste, 14(1):20-6, jan./fev. 1977.

0769

POPOWSKA, Hanna. "Thesaurofacet" - an example of combining a facet classification with a thesaurus. Akt. Prob. Inf. Dok., 17(4):6-12, 1972. Em polaco.

0770

RAINEY, Laura. Experiences with the new TEST Thesaurus and the new NASA Thesaurus. Special Libraries 61(1): 26-32, Jan. 1970.

0771

REGT, W. F. de. De Eudised-thesaurus: samenstelling en toepassing. (EUDISED-thesaurus: structure and application). Bibliotheekgids, 55:89-93, Jan./June 1979.

0772

RIEHL, M. Le thesaurus céramique. Industr. céram., 672:311-13, 1974.

0773

ROBERTS, Mike & MILLER, Peter. Information retrieval by keywords. DOE Construction, 20:37-8, Dec. 76.

Describes the essence of keyword indexing and the principle on which it rests, namely, the existence of an unambiguous, controlled list of words, a thesaurus. Discusses the Construction Industry Thesaurus, the 2nd edition of which has just been published. The full version (14,000 terms) is suitable for large systems run by specialist information staff; the abridged version (2,500 terms) is considered more suitable for general retrieval systems.

0774

RODRIGUES, Carlos do Nascimento. Thesaurus multilingue para a vitivini cultura. R. Esp. Doc. Cient., 3(4): 327-32, 1980.



0775

SARAPOV, I P. On the geological thesaurus. In: *Primenenie mat. metodov i EVM pri poiskach polesn. iskopayemych.* Novosibirsk. 1976. p. 160 - 70.

Critical review of the geological thesaurus of the All-Union Research Institute for Mineral Products Economy and Exploration, USSR.

0776

SEKHNIASHVILI, N. G. et alii. O razrabotke informatsionnopoiskovogo tezaurusa po chainoi promyshlennosti. (The development of an information retrieval thesaurus for the tea industry). *Nauch.-Tekh. Inf.*, Ser. 2, 11:26- 8, 1976.

The thesaurus described under construction at the Georgian Scientific Research Institute for Scientific and Technical Information-forms part of the automated information retrieval system for the tea industry which the Institute is establishing. The thesaurus represents the list stage in the whole system which will eventually contain another thesaurus on tea culture and a tri-lingual general thesaurus on tea. The thesaurus on the tea industry consists of 3 parts: alphabetical index of terms and a list of identifiers; subject index; index of hierarchical relationships. These are described and illustrated by examples. The thesaurus contains 1,696 terms- 1, 834 descriptors and 135 synonyms.

0777

SENF, W. *IDC- Thesaurus and its reorganization.* Bonn Bundesministerium für Forschung und Technologie, 1979. 69 p.

Final report on the West German Internationale Dokumentationsgesellschaft für Chemie IDC-Thesaurus and its reorganisation. The Thesaurus set up for documentation of chemistry and its borderline areas is built up of concept sets. These concept sets unite all synonyms are linked by concept relations, reflecting the hierarchical structure of the thesaurus.

0778

SHARP, J. R. Book review: *Thesaurifaceted: a thesaurus and faceted classification for engineering and related subjects.* *J. Doc.*, 26(2):183- 85 , 1970.

0779

SIKORSKI, L. Structure of a uniform thesaurus for various branches of industry: illustrated by the example of the thesaurus for "Agricultural Machines and Mechanisation of Agriculture". *Informatik*, 18(6): 23- 6, 1971. Em alemao.

La 1ª edición contiene 2.700 términos incluyendo los de procesos de producción, economía, organización. Los descriptores están divididos en: objetos (1.260), procesos (499), características (783), conceptos abstractos (93) formas internas/externas (58).

0780

SOPENA MONFORTE, J. R. A new document classification: the thesaurus. *Med. Espanola*, 70:297-305, 1973. Em espanhol.

Thesaurus and coding of endocrinological diagnoses.

0781

SUTTER, E. International dissemination of standards information; tools needed to operate the network: the ISO thesaurus and the ISONET manual (paper delivered at the symposium on the international information network; for standards, ISONET, October 1977). *Indexer*, 11(3): 157 - 59 , Apr. 1979.

Description of the thesaurus and the manual for operation of the ISONET network, being developed since 1974 . The network is intended for exchange of bibliographic information on standards and also of standards among ISO members.

0782

SVIRIDOV, N. K. & VARFOLOMEeva, V. N. Index systématique et thésaurus comme support d'information sur les problèmes d'exposition aux rayons x en radiologie médicale. *Nauch. Tekh. Inform.* Ser. 1, 9:20- 1, 1981 Em russo.



0783

THESAURUS Geschichtswissenschaften.  
(Thesaurus for the historical sciences). Zbl. F. Bibl. Wes., 88(3):  
177, 1974.

A draft of this thesaurus was finished in the DDR in 1973. It contains about 6250 descriptors and terms.

0784

THIELEN, Klaus. Der dachthesaurus verkehr. (The transport macrothesaurus). Nachr. Dokum., 26(4-5): 168 - 70, Sept. 1975.

Die Zentrale Informationsstelle für Verkehr (the Central Information Centre for Transport) developed the Dachthesaurus Verkehr as a comprehensive thesaurus on all aspects of traffic and transport, in order to coordinate all information and documentation in this subject. Detailed descriptions are given of the classified arrangement, used with alphabetical, systematic subject, geographical and institution indexes. The Dachthesaurus is also used as a basis for construction of other thesauri on specialised aspects of traffic and transport and as an arrangement system for libraries and archives.

0785

WAGNER, J. et alii. Der Spezialthesaurus "Tenside". (The Tenside special thesaurus). Informatik, 25(6):22- 4, 1978.

The 1974 edition of Tenside, used as an information retrieval thesaurus, contains 2,000 terms from chemistry and the chemical industries, about 1,500 of which are descriptors. The thesaurus consists of: (1) an alphabetical section containing all subject terms with their synonyms, hierarchic and associated connections, with information on the treatment of modifying terms and composite words; (2) a classified section containing descriptors only, arranged according to a discipline-independent category system with subordinate facets. The main categories-objects, properties and processes-are relevant for all natural sciences. Within some facets descriptors are arranged hierarchically, or polyhierar-

chically if complex. There is an alteration and revision service. Further research is being done on non-descriptors, retrieval redundancy and losses and descriptor application frequency.

0786

WEBER, J. The thesaurus for city planning and regional structure. Infom. z. Raumentwicklyng 213:59-67, 1975.

Reorganization of the thesaurus mentioned into a 'corethesaurus', problems of indexing, updating and relations are treated.

0787

WUNSCH, G. Zur anwendung des Thesaurus als ordnungssystem für den bibliothekskatalog und das ausschnittarchiv. (Use of a thesaurus as an ordering system for the library catalogue and the newspaper clippings collection). Probl. Ges. Effektivität wiss. Inform., Kolloquium. Berlin/Warschau, 1975. p. 209- 16.

Description of a thesaurus developed at GDR's Institute of Foreign Politics and Economics. The alphabetical part includes 8755 terms of which 1873 are descriptors. The systematic part has a geographic and a subject section and a list of modifiers.



BIBLIOGRAFIAS  
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0788

AA, H. J. Van Der. Thesaurus: bibliography. Amsterdam, Studiecentrum. NOV I, 1977. 86 p.

This bibliography of some 800 literature references in an attempt to bring together the widest possible range of data on the subject, in a wide range of languages. Topics including thesaurus construction, structure, applications and language problems are covered. The list is arranged alphabetically by author and there is a subject index.

0789

ALVES, Suly Cambraia. Bibliografia sobre thesaurus. Rio de Janeiro, IBICT, 1978. 37 p.

0790

BIBLIOGRAPHY of United Nations thesauri, classifications, nomenclatures. Geneva, Inter-Organization Board for Information Systems, 1979. 252 p.

The objectives of this Bibliography are to provide: 1) a basis for coordinating the construction and use of indexing and classification tools which have application in the cross organizational activities of the United Nations family; 2) a basis for sharing knowledge and exchanging experience between organizations on what already exists by individual disciplines, languages, etc., so as to avoid unnecessary duplication of effort; 3) a source of United Nations family indexing and classification tools for those, particularly in recipient countries, who develop or use systems. It is intended for those concerned with the development of information systems both at national level and in the United Nations family.

0791

BUREAU NATIONAL D'INFORMATION SCIENTIFIQUE ET TECHNIQUE. Annuaire des thesaurus. 3.ed. Paris, 1976. 83f.

0792

CHIYOOWA, Ch. & HÄFNER, C. Bestandsverzeichnis thesauri. (List of thesauri held in the Library of ZDOK). Frankfurt, Deutsche Gesellschaft für Dokumentation. Dokumentationszentrum für Informationswissenschaften (ZDOK), 1974. 6 p.

List of 135 thesauri arranged according to broad subject areas published between 1961 and 1974.

0793

CLASSIFICATION systems and thesauri, 1950-1982. Frankfurt, Indeks Verlag, 1982. XVI, 143 p. (International Classification and Indexing Bibliography, 1.).

0794

COMISSÃO DAS COMUNIDADES EUROPÉIAS. Thesaurus inventory. Luxembourg, 1980. 36 p.

0795

GILBERT, V. List of thesauri and subject headings held in the Aslib library. Aslib Proc., 31(6):264-74, June, 1979.

Aslib Library holds a collection of thesauri, subject headings and classification schemes which are used to answer members enquiries about the existence of schemes for particular subject fields and many of which are available on loan for two weeks. Aslib's policy is to acquire all significant English language publications and bilingual or multilingual items which English as one of the languages. The present list contains some 150 entries and covers subject headings and thesauri published since 1970. It is arranged in classified order. A previous list gives details of holdings prior to 1971 and an Aslib Bibliography contains references to thesauri and to material on thesaurus construction.

0796

HÄFNER, C. Bestandsverzeichnis thesauri. Stand: 1.1. 1977. (Inventory of thesauri). Frankfurt, Deutsche Gesellschaft für Dokumentation, 1977. 14 p.

Lists 197 thesauri and their differ-



rent additions as collected in the library of the German Documentation Society, of which 70 are in the German language. Arrangement in 17 broad groupings.

0797

KALBURGI, L. B. & PRASAD, K. N. Thesaurus in information systems. Selected bibliography. Bangalore, Doc. Res. & Training Centre, 1975. 54p.

Bibliography on and of thesauri with a keyword-subject index to the thesauri.

0798

KUTTEN, A. Thesauri bibliography. Haifa, Elyachar Library, Technion Israel Institute, 1975. 59 p.

0799

LAUREILHE, Marie-Thérèse. Bibliographie des thesauri et index par matière parus depuis 1960. Bulletin des Bibliothèques de France, 1969.

0800

LIST of bibliographies of thesauri Lebende Sprachen, 21(4):189, 1976.

This bibliography lists 20 thesaurus-bibliographies.

0801

Mac CAFFERTY, Maxine. Thesauri & thesauri construction. London, ASLIB, c1977. 191 p. (Aslib Bibliography, n.7).

0802

POPE, Nolan F. et alii. Thesauri used by SLA documentation division members, 1977. 27 p.

This bibliography lists 115 citations for thesauri most frequently used by members of Special Libraries Association (SLA) Documentation Division. Entries are arranged alphabetically by author/corporate author, followed by title, imprint and/or alternate source of availability if known, date, pagination, and subject index terms assigned according to the 1975 edition of the Library of Congress Subject Headings. A subject/corporate author/initialed index is included to provide additional points of access.

0803

PORTUGAL. Junta de Investigações Científicas do Ultramar. Centro de Documentação e Informação. Thesauri: relação bibliográfica, 1971 a 1975. Lisboa, 1977. v. 5.

Bibliography comprises 817 brief entries arranged according to the UDC.

0804

PORTUGAL, Junta de Investigações Científicas do Ultramar. Centro de Documentação e Informação. Thesauri: relação bibliográfica, 1976-1978. Lisboa, 1980. v. 6.

0805

RIZZO, Stefano. Bibliografia internazionale di thesauri. Rome, Centro per la Documentazione Automatica, 1979. 64 p.

The bibliography informs documentalists and experts in documentation interested in thesaurus development and construction about the reference tools already in existence in their field of interest and in which languages: what practical guidelines and theoretical considerations can be of help to them; and which organizations, national and international, they may ask further suggestions and references. It describes thesauri as well as other terminological works compiled all over the world, although the main focus is on the European context. The bibliography is divided in two parts. The first part itemized approximately 300 thesauri and other related works, classing them under twenty general headings. Headings and subheadings have been chosen among the UDC classes with a few additional headings, and arranging everything alphabetically. Also added are a number of related terminological works. The second part is divided in a number of sections: I Cumulative and current bibliographies; II. National and international guidelines for thesaurus development and updating; III. Works on thesauri in general; IV. Main national and international centers and activities in the area of terminology, thesauri, bibliography and documentation; V, VI, and VII. A number of general works on related issues such as indexing classification,



library automation, information systems. With alphabetical name index.

CLEARINGHOUSE

0806

WALKLEY, Janet & Hay, Barbara. An annotated list of thesauri held in the Aslib Library. Aslib Proceedings, 23(6):292-300, June 1971.

0807

BOCIAN, Lidia et alii. Clearinghouse for thesauri and classification schemes. Activity and functions. Warsaw, Institute for Scientific, Technical and Economic Information, 1980. 24 p. (ISTEI Report 33).

Describes the Clearinghouse activities. The Clearinghouse is a specialized bibliographical service for collecting, processing and disseminating information on thesauri, classification systems and schedules, descriptors, Key-words and subject heading lists.

The construction and operation of the TEKLA system are described. TEKLA is an information retrieval system created to facilitate all the processing systems and to improve the information service of the Clearinghouse. The publication is in the English language. Copies are available free of charge.





**PARTE 4**

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