

INTERNATIONAL CLASSIFICATION

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Systems and Thesauri**
**Zeitschrift zur Theorie und
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Editors/Herausgeber:

Dr. phil. Ingmar Dahlberg, D-6 Frankfurt 50, Woogstr. 36a, BRD
 Prof. Dr. med. Dr. phil. Alwin Diemer, Philosophische Institut der Universität Düsseldorf, D-Düsseldorf 1, Universitätsstr. 1, BRD
 Prof. Jean M. Perreault, Director of the University Library, University of Alabama, P.O.B. 1247, Huntsville, Alabama 35 807, USA
 Prof. Arashonipalai Neelameghan, Documentation Research and Training Centre (DRTC), 112 Cross Road 11, Malleswaram Bangalore-560003, India and co-sponsored by FID/CR (Fédération Internationale de Documentation, Committee on Classification Research), address see Prof. A. Neelameghan

Dr. Friedrich Lang, IBM, A-1040 Wien, Margaretenstr. 3/4, Austria

Yukio Nakamura, Authorized Consulting Engineer, 14-8 Nisikata-1 Bunkyo-Ku, Tokyo 113, Japan

Dr. Eugen Scibor, Institut Informacji Naukowej, Technicznej i Ekonomicznej (IINTE), Al. Niepodleglosci 188, Warszawa, Poland

Prof. Dr. Dagobert Soergel, School of Library and Information Services, University of Maryland, College Park, Md., 20742 USA

Prof. Dr. Robert R. Sokal, State University of New York, Stony Brook, New York, 11794, USA

Prof. Abner L. C. Vicentini, Ministerio das Minas e Energia, Esplanada dos Ministérios, Bloco J – 9, Andar – Sala 916, 70000 Brasília –DF, Brasil

Prof. Bryan C. Vickery, School of Library, Archive and Information Studies, University College, Gower Street, London WC 1, England

Prof. Dr. Eugen Wüster, D-2360 Wiesenburg, Austria

in collaboration with/in Zusammenarbeit mit: Forschungsabteilung Information und Dokumentation des Philosophischen Instituts der Universität Düsseldorf, D-4 Düsseldorf, Universitätsstr. 1, BRD, Prof. Dr. phil. Norbert Henrichs

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Dr. Harald Haendler, Universität Hohenheim, Dokumentationsstelle, D 7 Stuttgart 70, Paracelsusstr. 2

Dr. I. Dahlberg, see above / wie oben

Mr. Kevin P. Jones, The Malaysian Rubber Producers' Research Association, Brackenbury, Hertford SG13 8NP, England

Mrs. Verina Horsnell, The Polytechnic of North London, School of Librarianship, 207-225 Essex Road, Islington, London N1 3PN, England

Mr. Derek Austin, The British Library, Research and Development Department, Africa House, Kingsway, London WC2B 6DB, England

Prof. P. Atherton, see above / wie oben

Prof. Dr. D. Soergel, see above / wie oben

Prof. F.W. Lancaster, Graduate School of Library Science, University of Illinois, Urbana, Ill. 61801, USA

Dr. Phyllis A. Richmond, Prof. School of Library Science, Case Western Reserve University, Cleveland, Ohio, USA

Walter von Mach, c/o Dokumentationsstelle für Bautchnik, 7 Stuttgart 1, Silberburgstrasse 119A

Consulting Editors/Redaktionsbeirat:

Prof. Pauline Atherton, School of Library Science, Syracuse University, Syracuse, N.Y., 13210 USA
 Dipl. Math. Hermann Fangmeyer, Euratom CCR C.E.T.I.S. (European Scientific Information Processing Central), I-21020 Ispica (Varese) Italy
 Dipl. Volksw. Otto Gekeler, AEG-Telefunken (N1), 79 Ulm, Postfach 830, BRD

Prof. Eric de Grolier, Conseil International des Sciences Sociales, 1, rue Molliès, F-75 Paris 15e, France

Authors of this issue / Autoren dieses Heftes:

Dipl. Volksw. O. Gekeler, see above/wie oben
 Tetsuo Tomita, Trial Examiner, The Patent

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Gekeler, O.: **Produktbeschreibung und Merkmalsordnung.**
(Product description and ordering of product characteristics.)

In: Intern. Classificat. 2 (1975) No. 1, p. 2–10

Comments on an ordering system for the characteristics of products as designed by W.M. Paass, comprising about 170 groups of characteristics. Product characteristics are understood to be information characteristics of two kinds: a) distinguishing (identifying) characteristics, facilitating the distinction between products and b) 'intersecting' characteristics, those common to a number of products. In order to meet all kinds of purposes for all kinds of products a universal ordering system for product characteristics is postulated.

(Author)

Tomita, T., Hattori, K.: **Compilation of thesaurus and total index of „Nihon Kagaku-Gijutsu-Shi Taikei“ and analysis of its documents.**

In: Intern. Classificat. 2 (1975) No. 1, p. 11–21

A thesaurus for the source books "Nihon Kagaku-Gijutsu-Shi Taikei" (History of Science and Technology in Japan from 1850–1960) was compiled comprising 4819 keywords. The characteristics of a thesaurus for historical documents were analysed 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 keywords. 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, 4627 documents were analysed with the classified keywords. The analysed distributions of keywords well explained the developments of science and engineering in modern Japan. Data on the contributions of policies, 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.

(Authors)

Kashyap, M.M.: **Concept comprehension building in students and the teaching of theory of library classification.**

In: Intern. Classificat. 2 (1975) No. 1, p. 22–25

Stipulative definitions of the concepts 'formal concept', 'technical term', 'concept-comprehension', and 'ambiguous concept comprehension' are given. Since the theory of library classification is mostly concerned with formal concepts, its teaching ought to consider an understanding of the phenomena and concepts about relations between aspects of the phenomena under study. In this regard, primary and secondary concepts are distinguished, the latter are of a higher order and presuppose

the understanding of primary concepts. The teaching process has to take into account the mastery of prerequisite concepts and the analytical presentation of concepts for the students re-synthesis. The components of the concept 'Classification' are used as an example for these procedures. (I.C.)

Haendler, H.: **Selektionsgerechte Indikation von Sachgebieten und Sachverhalten.** (Selection-oriented indication of subject-fields and propositions.)

In: Intern. Classificat. 2 (1975) No. 1, p. 25–31

Discussion of the concepts "documentary informing" and "informeme" and investigation of the conditions for a selection-oriented indication of contents of documents. The "informeme-theory" of Diemer is supplemented by the concepts "significance" and "efficiency of information". Since informing implies the supply of new, so far unknown propositions, an a-priori-recording of descriptors or classes for specific informemes or complex concepts is impossible. Referring to the creative aspect in the use of language (Humboldt and Chomsky), it is shown how a description based on the principles of concept-synthesis may be successfully applied for the representation of informemes. Recurrent conceptual elements of endlessly changing conceptual structures ought to be identified and their descriptors should be fixed. An indication of subject-fields should follow the same principle of synthesis, since the steady change in the delimitation of scientific disciplines and the formation of new fields of research excludes an a-priori fixation of single codes for each field. The elaboration of a faceted vocabulary for use in international and interdisciplinary areas may be based on the semiotic elements which form the concepts of subject-fields, like "objects" and "aspects".

(Author)

Dahlberg, I.: **The terminology of subject-fields.**

In: Intern. Classificat. 2 (1976) No. 1, p. 31–37

So far terminological work has been mainly directed towards defining very special concepts. The more general ones, e.g. those denoting subject-fields have been neglected with the result that communication on this level has been seriously hampered. There exists a great number of such terms and also a growing trend for the formation of new ones. In the FRG an R & D project was started in 1972 with the collection of names of subject-fields, it is intended to assemble their definitions in a dictionary and to build a general concept-system by computer-comparison of their characteristics as provided by their definitions. The nature of subject-fields is explained, details on the German collection are given as well as some results from a formal analysis of their concepts. It is proposed to initiate similar projects in other linguistic regions as well; this could be done under the auspices of Info-term. Concludingly some application-possibilities for a general concept-system (e.g. a broad system of ordering) are given. The annex displays a scheme of 9 subject areas and about 90 sub-areas for the sorting of names of subject fields. (Author)

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Special Bibliographies

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Vol. 1: Royal Society of Sciences, Göttingen: Bavarian Academy of Sciences, Munich.
1971. XVI + 715 pages. ISBN 3-7940-3349-3. DM 120.00
A complete guide, in four volumes, to all independent articles, reports and publications of German-language academies of science chronologically to 1960. Vol. 2-4 in preparation.

A Bibliography of Computer-Programming Languages

By Marylène and Karl F. Stock
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This important bibliography has over 2,500 references to books, periodicals and other material covering some 300 computer-programming languages.

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3rd Edition 1970. 77 pages. ISBN 3-7940-2500-8. DM 10.00

Bibliography of Social Research in the Soviet Union, 1960-1970

Compiled by Sergej Woronitzin
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This bibliography includes some 700 selected books and essays on the theoretical and practical aspects of social research in the USSR which were published in Russian or Ukrainian in the Soviet Union between 1960-1970. The titles are given in Russian, German and English, and there is an index of authors.

Bibliography on Japanese Education

Postwar Publications in Western Language
By Ulrich Teichler and Friedrich Voss
1974. 294 pages. ISBN 3-7940-3183-0. DM 36.00
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