



# KNOWLEDGE ORGANIZATION

INTERNATIONAL CLASSIFICATION

INTERNATIONAL JOURNAL  
Devoted to Concept Theory,  
Classification, Indexing,  
and Knowledge Representation

Seven Fundamental Questions for the  
Science of Library Classification

Further Education in Knowledge  
Organization. Basic Didactic Considerations

Library-Bibliographical Classification:  
On the Path of Renovation

Terms, Symbols, and Ordinals:  
A Taxonomy of Designators

INDEKS Verlag, Frankfurt  
ISSN 0943 - 7444 Knowl.Org.  
Vol. 20 (1993) No. 2

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## KNOWLEDGE ORGANIZATION

Devoted to Concept Theory, Classification, Indexing, and Knowledge Representation

The journal is the organ of the INTERNATIONAL SOCIETY FOR KNOWLEDGE ORGANIZATION (General Secretariat: Woogstr. 36a, D-6000 Frankfurt 50)

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*Issue frequency:* 4x/ann. *Annual subscription rates:* Institutions per volume DM 97.-, Individuals per volume 20% less, if directly ordered from INDEKS Verlag. Single issues: DM 28.- Back issues available, ask for special offer. Subscription included in membership fee for members of the International Society for Knowledge Organization (ISKO). MwSt (domestic only) and postage are not included; for Air Mail delivery an additional DM 4.- per issue is required.

*Advertising rates:* Advertising rate card No.3. Advertising fact sheet with details of mechanical requirements and closing date available upon request.

*Publisher:* INDEKS Verlag, Woogstr.36a, D-6000 Frankfurt 50, Tel.069-52 36 90; FAX 069-52 05 66.

Bank Account Nos: INDEKS Verlag, Postgiro-Konto Frankfurt No.151208-608 (BLZ 500 100 60). FrankfurterSparkasse No. 852082 (BLZ 500 502 01)

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## Contents page

**Vol.20(1993)No.2**

Losee, R.M.: **Seven fundamental questions for the science of library classification.**

Knowl.Org. 20(1993)No.1, p.65-70, 15 refs.

For classification to advance to the point where optimal systems may be developed for manual or automated use, it will be necessary for a science of document or library classification to be developed. Seven questions are posed which the author feels must be answered before such optimal systems can be developed. Suggestions are made as to the forms that answers to these questions might take. (Author)

Goltvinskaya, T.S., Sukiasyan, E.S.: **Library-Bibliographical Classification: On the path of renovation.**

Knowl.Org. 20(1993)No.2, p. 77-79, 2 refs.

The perspectives of reorganization of the Library-Bibliographical Classification (LBC) are described. The possibilities of a transformation of this classification system into a scientifically based "knowledge base" for traditional and electronic catalogues are shown. Difficulties and obstacles in pursuing the completion of LBC reconstruction are expounded. (Authors)

Kiel, E.: **Further education in knowledge organization. Basic didactic considerations.**

Knowl.Org. 20(1993)No.2, p. 71-76, 21 refs.

Knowledge organization in real world situations is a complex task relying on a vast body of knowledge from theories, disciplines, professions, and cultures. This diversity requires a particular instructional design for developing competence in this field. The main features of this design are: real world approach, critical incident analysis, the work on interdependent tasks as a problem-solving method, implementation of solutions, permanent evaluation. It is proposed that documentation of critical incidents, solutions and implementation results serve as a base for establishing knowledge organization as a new interdisciplinary field. (Author)

Gilreath, Ch.T.: **Terms, symbols, and ordinals: A taxonomy of designators.**

Knowl.Org. 20(1993)No.2, p. 80-86, 7 refs.

This article presents a new taxonomy of designators (a.k.a. *designations*), covering terms, symbols and ordinals. Although ordinals are widely used, they have not been conceptualized in terminology literature as designators per se. Each category is broken down according to the basic form of the designator. Term types are monomials, polynomials, and initialisms. Symbol types are alphabetic and graphic. And ordinal types are alphabetic and numeric. Combinations (hybrids) of these types are also discussed. The proposed terms and concepts are contrasted with those in ISO 1087 (*Terminology - Vocabulary*, 1990) and approximately 48 terms are defined. (Author)

**Beilagenhinweis:** Für die deutschen Bezieher liegt dieser Ausgabe das Programm der Deutschen ISKO-Konferenz in Weilburg, 26.-28.10.93 bei.

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## Scope

The more scientific data are generated in the impetuous present times, the more ordering energy needs to be expended to control these data in a retrievable fashion. With the abundance of knowledge now available the questions of new solutions to the ordering problem and thus of improved classification systems, methods and procedures have acquired unforeseen significance. For many years now they have been in the focus of interest of information scientists the world over.

Until recently, the special literature relevant to classification was published in piecemeal fashion, scattered over the numerous technical journals serving the experts of the various fields, such as

philosophy and science of science  
science policy and science organization  
mathematics, statistics, and computer science  
library and information science  
archivistics and museology  
journalism and communication science  
industrial products and commodity science  
terminology, lexicography and linguistics

Beginning 1974, KNOWLEDGE ORGANIZATION (formerly INTERNATIONAL CLASSIFICATION) has been serving as a common platform for the discussion of both theoretical background questions and practical application problems in many areas of concern. In each issue experts from many countries comment on questions of an adequate structuring and construction of ordering systems and on the problems of their use in opening the information contents of new literature, of data collections and survey, of tabular works and of other objects of scientific interest. Their contributions have been concerned with

- (1) clarifying the theoretical foundations (general ordering theory, science theoretical bases of classification, data analysis and reduction)
- (2) describing practical operations connected with numerical taxonomy/classification, as well as applications of classification systems and thesauri, manual and machine indexing
- (3) tracing the history of classification knowledge and methodology
- (4) discussing questions of education and training in classification
- (5) concerning themselves with the problems of terminology in general and with respect to special fields.

## Instructions for Authors

*Manuscripts* may be submitted in either English, German or French to the editor-in-chief in two sets (the original and one copy) typed in double space, comprising between 1500 to 3000 words. They should be accompanied by an English indicative abstract of 100-200 words. The contributions are refereed.

*Criteria for acceptance* will be appropriateness to the field of the journal (see Scope and Aims) taking into account the merit of the content and its presentation. Papers are accepted with the understanding that they have not been published, submitted or accepted for publication elsewhere and that, if the work received official sponsorship, it has been duly released for publication. Authors will usually be notified within 6 to 10 weeks. Unless specifically requested, manuscripts or illustrations will not be returned.

*The text of the contributions* should be structured by subheadings; it should contain (a) an introduction, stating the purpose, (b) a description of materials and methods in sufficient detail, (c) information on results or systems developed, and (d) a conclusion on and/or summarization.

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*Additional notes* should be indicated in the text by lifted single numbers behind a word and equally collected with their texts at the end of the paper under the heading *Notes*.

*Journal References* should contain the names and initials of all authors, full titles of the publication, abbreviation of the journal

## Aims

Thus, KNOWLEDGE ORGANIZATION is meant to be a programme for the improvement of classification methods and processes, a forum for discussion for all those interested in the organization of knowledge on a universal or a subject-field scale, using concept analytical and/or concept-synthetic approaches as well as numerical procedures and comprising also the intellectual and automatic compilation and use of classification systems and thesauri in all fields of knowledge, with special attention being given to the problems of terminology.

KNOWLEDGE ORGANIZATION publishes original articles, reports on conferences and similar communications, the Newsletters of the International Society for Knowledge Organization (ISKO News) and the Committee on Classification Research of the International Federation for Information and Documentation (FID/CR News) as well as book reviews, letters to the editor, and an extensive annotated bibliography of recent classification and indexing literature, covering now some 500 items in each issue.

KNOWLEDGE ORGANIZATION should therefore be available at every university and research library of every country, at every information center, at colleges and schools of library and information science, in the hands of everybody interested in the fields mentioned above and thus also at every office for updating information on any topic related to the problems of order in our information-flooded times.

KNOWLEDGE ORGANIZATION was founded in 1973 by an international group of scholars with a consulting board of editors representing the world's regions, the special classification fields, and the subject areas involved. From 1974-1980 IC was published by K.G. Saur Verlag, München. Back issues of 1978-1990 are available from INDEKS Verlag, too. (The 10 volumes of 1978-1987 are offered now at the highly reduced price of DM 350.-).

As of 1989, KNOWLEDGE ORGANIZATION has become the official organ of the INTERNATIONAL SOCIETY FOR KNOWLEDGE ORGANIZATION (ISKO) and is included for every ISKO-member, personal or institutional in the membership fee (DM 60.-/DM 120.-).

*Rates:* From 1990 on for 4 issues/ann. (including indexes) DM 97.- + postage (DM 6.-). For air mail delivery add DM 4.- per issue. Membership rates see above. - INDEKS Verlag, Woogstr. 36a, D-6000 Frankfurt 50.

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*Examples:* Brandhorst, J.P.J.: Quantifiability in iconography. *Knowl. Org.* 20(1993)No.1, p.12-19, 11 refs.

Hunter, E.J.: *Classification made simple*. Aldershot, GB: Gower 1988. 115p.

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