

INTERNATIONAL

IC

CLASSIFICATION

Devoted to Concept Theory
Systematic Terminology &
Organization of Knowledge

Special Issue
Festschrift
for
Eric de Grolier

80 years
June 25th, 1991

INDEKS - Verlag, Frankfurt
ISSN 0340-0050 Int.Class.
Vol. 18 (1991) No. 2

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For this special Festschrift issue devoted to Prof. Eric de Grolier's 80th birthday on June 25, 1991, further contributions by B.C. Vickery, Jean M. Perreault and Ejnar Wahlin have been promised. These authors sent their personal congratulations to Eric de Grolier. The voluminous paper by Jean M. Perreault which unfortunately did not reach us in time will be included in the next issue of IC (91/3) to appear Sept. 30, 1991.

INTERNATIONAL CLASSIFICATION

Devoted to Concept Theory, Systematic Terminology, and Organization of Knowledge

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

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Editorial Office: c/o Dr.I.Dahlberg, Woogstr. 36a, D-6000 Frankfurt 50. Tel.069-52 36 90, FAX: 059-52 05 66

Issue frequency: 4x/ann. *Annual subscription rates:* Institutions per volume DM 94.-, 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.2. 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). Frankfurter Sparkasse No. 852082 (BLZ 500 502 01)

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Contents page

Vol.18(1991)No.2

Maniez, Jacques : **A decade of research in classification.** Int.Classif. 18(1991)No.2, p. 73-77, 8 refs.

The seven reports written by Eric de Grolier for the FID/CA Committee 'General theory of classification' between 1953 and 1960 are a precious testimony of the author's reflexion and methodology, and also of the state of classification issues in the fifties. The main content of these reports is a general and evolutive project devised as a basis for a new universal standard classification. An original type of alphanumeric and pronounceable symbolization is advocated which would allow a flexible division of main classes between the domains of knowledge.

(Author)

Cochrane, P.A.: **Eric de Grolier: The analytico-synthetic summarizer.** Int.Classif.18(1991)No.2, p. 78-86, 5 refs.

Appraisal of E.de Grolier's ability to summarize, to relate to important and relevant developments, and to systematize the results of conferences with special reference to five conferences held during the time between 1966 and 1990. The text is continued by one example, a reprint of the full text of one of his summaries, viz. the 'Synoptic Critique' to the Conference on Relational Factors in Classification, University of Maryland, June 1966.

(I.C.)

Foskett, D.J.: **Concerning general and special classifications.** Int.Classif. 18(1991)No.2, p. 87-91, 8 refs.

The experience of the British Classification Research Group (CRG) suggests that a good general scheme could be compiled by integrating specialist schemes. Examples are given from the 1990 revision of Class J Education of the Bliss Bibliographic Classification. Sequences in arrays may need adjustment to suit different needs, but a general, or "Ur-Classification" will provide a reservoir of terms for specialist schemes, while the special schemes provide detailed analysis and enumeration by experts in each field.

(Author)

Neelameghan, A.: **Concept categorization and knowledge organization in specialized databases: A case study.**

Int.Classif.18(1991)No.2, p.92-97, 6 refs.

Presents a case study of the application of principles of concept categorization and arrangement of ideas in a specialized database forming a component of an information system MEDIS+ designed to support research, education and training in the medical/health sciences. (Author)

Gödert, W.: **Facet classification in online retrieval.** Int.Classif.18(1991)No.2, p. 98-109, 20 refs.

In this paper it is argued that faceted classification systems in some respect are superior to other techniques of online retrieval as far as facet and concept analysis is combined with an expressive notational system in order to guide a form of retrieval which will use Boolean operators (for combining the facets regardless of one special citation order) and truncation for retrieving hierarchically different sets of documents. This point of view is demonstrated by two examples, the first one uses a short classification system derived from B.Buchanan the second is built upon the classification system used by *Library and Information Science Abstracts (LISA)*.

(Author)

Riggs, F.W.: **Nomenclators: a new kind of information service.** Int.Classif. 18(1991)No.2, p. 110-121, 22 refs.

The onomantic method supplements established semantic methods by helping writers determine whether or not any given concept already has been used in the literature: if it has, the terms in use are identified and citations to the relevant literature are provided. If it has not, the author feels entitled to propose new terms. The availability of reference works which may be called nomenclators can now, in principle be produced in machine-readable form so that their databases can be used in a personal computer. The potential market for such a product justifies the hope that a commercial publisher of social science information may want to sponsor the production and marketing of nomenclators.

(Author)

Fugmann, R.: **The Navigational Index.**

Int.Classif.18(1991)No.2, p. 122-132, 6 refs.

Description of a set of indexes - called Navigational Index - to the volumes 1 and 2 of "Tools for Knowledge Organization and the Human Interface" (Frankfurt: Indeks Verlag 1990/91). This index is intended to provide advanced subject access. In its Basic Index part the *immediate* hierarchical environment of each descriptor is displayed; whereas the systematic part displays the *extended* hierarchical embedment of each descriptor. Together with the Alphabetical Subject Index, included in proceedings vol.2, they facilitate "navigation" in the vocabulary, which is conducive to reliable indexing and appropriate query phrasing. The Systematic Index has been added in full length to the article. The Basic Index is only available on diskette.

(Author)

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, 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.

Aims

Thus, INTERNATIONAL CLASSIFICATION 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.

INTERNATIONAL CLASSIFICATION 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.

INTERNATIONAL CLASSIFICATION 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.

INTERNATIONAL CLASSIFICATION 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, Miinchen. 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, INTERNATIONAL CLASSIFICATION 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 50.-/DM100.-).

Rates: From 1990 on for 4 issues/ann. (including indexes) DM 94.- + 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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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.

References should be listed at the end of the paper with the numbers in brackets referring to such numbers in brackets within the text part.

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 according to the ISO Standard 4, volume number, year of publication in brackets, issue number and first and last page numbers. *Monograph References* should give the name(s) of the author(s), full title, edition, place of publication, publisher, year and the number of pages.

Examples: Mater, E.: Human intelligence as a precondition for the machine processing of knowledge. Int. Classif. 15(1988) No.3, p.125-132

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

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