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Zeitschrift zur Theorie und Praxis universaler und spezieller Klassifikationssysteme und Thesauri

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Contents page – Inhaltsfahne

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Kedrov, B. M.: Concerning the Synthesis of the Sciences.
In: Intern. Classificat. 1 (1974) No. 1, p. 3–11; also in: USSR Academy of Sciences (Ed.): Man, Science, Technology. I. Moscow 1973. p. 67-92 = Social Sciences Today. Editorial Board.

A presentation of types of processes leading to a theoretical synthesis of contemporary scientific knowledge, e. g. a synthesis by law, by correspondence, or by opposition. Internal interbranch synthesis can be observed in four phenomena: 1) formerly, the sciences developed by differentiation, now by their integration; the other phenomena are: 2) "cementation", 3) "fundamentalization and 4) pivotization" of sciences. External synthesis is seen in the relationships existing respectively between 1) natural and social sciences, 2) natural and technological sciences, and 3) natural sciences and philosophy. The various types of processes discussed are displayed in a table. (I. C.)

Dahlberg, I.: Zur Theorie des Begriffs. (Towards a theory of the concept)
In: Intern. Classificat. 1 (1974) No. 1, p. 12–19 (in German)

A concept is regarded as the common element of both classification systems and thesauri. Reality and knowledge are not represented by words or terms but by the meanings "behind" these tokens. A concept of, say, an object, a property of an object, a process, etc. is derived from verbal statements on these as subjects and may therefore be defined as the whole of true and possible predicates that can be collected on a given subject. It is from these predicates that the characteristics of the corresponding concepts can be derived. Common characteristics in different concepts lead to relations between concepts, which relations in turn are factors for the formation of concept systems. Different kinds of relationships as well as different kinds of concepts are distinguished. It is pointed out that an orderly supply of the elements for propositions (informative statements) on new knowledge requires the construction and availability of such concept systems. (Author)

Rybatchenkov, V.: Development of a Broad System of Ordering for UNISIST Purposes
In: Intern. Classificat. 1 (1974) No. 1, p. 20–21

Outline of the functions of a Broad System of Ordering (BSO) as a switching mechanism in the UNISIST Program of Unesco. Co-operation with the Fédération Internationale de Documentation (FID), Den Haag, which in 1972 has set up for the elaboration of a Subject-field Reference Code (SRC) a Working Group (FID/SRC). Structure, notation and display of the SRC as result of the first year's discussions are mentioned as well as the use of existing experience and the future work as planned for 1974. (I. C.)

Wåhlin, E.: A Common Classification for Swedish Research Projects.
In: Intern. Classificat. 1 (1974) No. 1, p. 21–26

Proposal for a universal classification system on the level of subject-fields based on the observation of a continuous interdisciplinary combination of former single subject-fields. The multitude of possible combinations is shown in a "discipline matrix" of the natural sciences and technology. For the interdisciplinary field of ecology a "geometrical display" is used, showing possible combinations of natural objects with each other and in relation to their respective fields. Concludingly the difficulty in indexing research projects is pointed out. (I. C.)

Mayne, A. J.: Progress Report on a New Scheme for the Classification of Knowledge.
In: Intern. Classificat. 1 (1974) No. 1, p. 27–32

Outline of the theory of a proposed new scheme of classification of knowledge, specifying its basic assumptions and its points of departure from existing schemes, describing possible mathematical models for the scheme, and indicating the mnemonic notation and coding proposed. Progress is reported on the development of applications of the scheme to general and special library classifications and to the document collections of small organisations, groups and individuals. Possibilities for future research are outlined and further potential applications are listed. (Author)

Neuenschwander, M. E.: Systeme der Waren- und Aktivitätsklassifikation. (Systems for the classification of commodities and activities)
In: Intern. Classificat. 1 (1974) No. 1, p. 32–33 (in German)

To acquire a better survey of existing ordering systems for commodity classification, 3 different types of such systems are listed according to the different purposes they are intended to serve. They include supply-oriented systems for statistics and systems for the cataloguing of commodities in companies and administrative services, in the latter only commodities actually on the market are included. (I. C.)

Soergel, D.: Automatic and Semi-Automatic Methods as an Aid in the Construction of Indexing Languages and Thesauri.
In: Intern. Classificat. 1 (1974) No. 1, p. 34–39

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. (Author)

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