ISKO News 16

Indian ISKO Chapter: Seminar on Classification and Knowledge Representation

A one-day Seminar on the above topic was held on Jan. 7, 1994, at the Institute of Information Studies (IIS) from 10 a.m. to 1.30 p.m. jointly sponsored by the Indian ISKO Chapter, the Documentation Research and Training Centre (DRTC), and the Institute of Information Studies, Bangalore. About 50 professionals from different parts of the country participated. Dr. K.N. Prasad, Organizing Secretary of the seminar gave a brief introduction about the IIS and the nature of the seminar which was chaired by Prof. S. PARTHASARATHI, Director, Institute of Information Studies, Madras, Prof. Krishan KUMAR, University of Delhi, and Prof. M.A. GOPINATH, Head of DRTC, Bangalore.

Prof. Krishan KUMAR welcomed the participants and gave a brief account of ISKO and its Indian Chapter; he informed also on the 3rd International ISKO Conference to be held in Copenhagen, June 21-24, 1994.

Prof. PARTHASARATHI made introductory remarks on the application of computers in classification work. He noticed that users have now become much more interested in the latest information as against information from the published literature. Users are asking for today's information for which they need a service with a multidimensional approach. For this purpose, online databases are most helpful. Here the most current example is the Share-Market-Database which is even more current than DIALOG and other up-to-date databases. E-mail is helpful to obtain information which is one week old. He expressed his hope that the online-realtime systems will become more useful in the future, as the readers are interested usually only in a particular type of information related to their area of specialization, particularly in the scientific field.

During the Seminar four papers were presented: Dr. (Ms.) V. RAMA DEVI, Assistant Librarian at the Dr. B.R. Ambedkar Open University Library, Hyderabad, gave two papers, both together with Dr. C.R. KARISIDDAPPA, Head, Department of Library and Information Science, Karnatak University, Dharwad: (1) *Approach to Faceted Classification in the Social Sciences: a Case study of International Relations and Labour Relations*, and (2) *Organization of Knowledge and the Social Sciences: Patterns and issues*. She emphasized the information retrieval aspect of information and desired the material in the libraries to be organized from a retrieval point of view, for which CC is more helpful than the other schemes. In her second paper she expressed the view that compound subjects in the Social Sciences are posing great problems in a library. Only a general scheme for classification can meet this challenge of newly emerging subjects.

The second speaker was Dr. A.Y. ASUNDI from the Department of Library and Information Science, Bangalore University who spoke on *Knowledge Representation in Taxonomic Information Retrieval* and revealed that about two million species of flora exist throughout the world and that a detailed taxonomic database of flora is required. Ordinary schemes of classification go only up to the species level and do not cover the varieties of the species. A close correlation between classifiers and natural taxonomy assigned by botanists and taxonomists is needed in order to create a database of information about the plant kingdom. With the help of slides, he was able to pinpoint successfully his views on the need for database information services in taxonomy and nomenclature given by ICBN. Profs. P.N. Kaula, Parthasarathy, M.A. Gopinath, K. Navalini, Drs. P.S.G. Kumar, and B.S. Nigham as well as Mssrs. A.R. Sethi and Sukhdev Singh participated in the discussion.

Thereafter Prof. Krishan KUMAR presented a brief paper on *A Case for Synthesis of Different Information Ordering Methods*. He discussed various thesauri available for the terminology used in different classification schemes and systems and stressed that organizing systems are needed for the classification of the latest knowledge being generated through compound inter-related subjects.

After the presentation of the papers the following issues were raised for general discussion:

1. The role of library classification in the present day context.
2. The role of libraries in relative classification (Renewal of classification; Maintenance of schemes of classification, Feedback).
3. Knowledge-change, common relations.
4. Use of computers in maintaining classification schemes.

A panel discussion on the current scene in Classification and Knowledge Representation followed.

The panelists were: Prof. P.N. KAULA, Lucknow; Dr. P.S.G. KUMAR, Nagpur University, Nagpur; Prof. PARTHASARATHY, Madras; Prof. G.D. BHARGAVA, National University of Journalism, Bhopal, and Prof. Krishan KUMAR, Delhi University, Delhi.

Initiating the discussion, Prof. KAULA informed the participants that the Colon Classification and Dr. Ranganathan are not talked about at the global level at present. Topics of discussion at international conferences and seminars are the UDC and thesauri, especially faceted thesauri. Main emphasis is being put on the development of the UDC, its limitations could be removed by applying the theory of the CC. In the future more networking, more databases and more electronic journals will be forthcoming. Marketing of information from the developed countries to the developing ones is being carried out, but is limited to out-dated and irrelevant information in the larger databases. Only such relevant information should be marketed which is required for a specific purpose.

https://doi.org/10.5771/0943-7444-1994-1-37 https://www.inlibra.com/de/page/agb - Open Access - (cc) BY

Dr.P.S.G. KUMAR continued by pointing out that there is no particular difference between classification and knowledge organization. He called attention to the activation of the Indian ISKO Chapter and the need to establish study circles under ISKO in major cities like Delhi, Bangalore and Calcutta; the control of classification literature; the publication of a Ranganathan Research Bulletin; and research publications in broader areas. He insisted on involving all university teachers in library classification to conduct research in classification and knowledge organization. He expressed the need for publication of a Newsletter by the Indian ISKO Chapter and suggested also that the Indian Library Association establish a Special Interest Group (=SIG) in classification.

Prof. PARTHASARATHY was of the opinion that persons working at the universities can do more work in the field of the nomenclature of new areas of knowledge. The Indian Library Association could use its 'Bulletin' for publishing this type of research. It should collaborate with ISKO in such a project. A new journal could also be started for this purpose.

In replying to this question, Prof.Krishan KUMAR explained that the Indian Chapter will be working independently and felt that there is no immediate need for starting a new journal. ILA could devote a few pages for this purpose in its 'Bulletin'.

Prof.KAULA was worried about the future of the CC for not having any National Institute or library as the laboratory, whereas the DDC and the UDC were having national libraries as laboratories for experiments and depth research. He suggested that INSDOC or some other national institute should serve as such a laboratory.

Mr. SETHI offered that the Jawaharlal Nehru University Library should serve as the laboratory for Social Sciences if DRTC agrees. This suggestion was greatly welcomed by all. Prof. KAULA advocated that still other people should cooperate in the revision work of CC. Prof. GOPINATH agreed to this proposal.

Prof. G.D. BHARGAVA supported the idea of arranging for Study Circles at various places to widen the scope of ISKO's Indian Chapter. He solicited the cooperation of all colleagues concerned to further develop the Colon Classification. He recommended also the use of more common than special isolates.

Dr. B.S. NIGHAN was of the view that not only university professors and readers should be engaged in the work of designing new schedules but that working librarians in the field should be involved in it, too. They can better guide this work. His views were supported by Mr. Sukhdev SINGH, Mr.Balbir SINHG and many others.

Dr. ASUNDI felt the need of integrating various editions of the CC. Particularly, CC-6 may be correlated with CC-7 as in the case of DDC-18 and DDC-19.

Prof.Krishan KUMAR endorsed these views and explained that CC-6 can serve as the base for the class numbers of CC-7. Although some people are critical of CC-7 for its limitations, he considers it remarkable even with its limitations. However, he thinks that one more edition of CC is required for the integration of CC-6 and CC-7. He saw a need for more and more classification research groups to be established especially for the development of future CC editions. He insisted that a strong Classification Group be developed within the Indian Library Association in order to make suggestions and to monitor the implementation.

At the end, Prof. M.A. GOPINATH proposed a vote of thanks to the panel members and the participants. The seminar concluded with a delicious South Indian lunch hosted by the IIS.

(This is a Synthesis of two reports sent by Mr. Sukhdev Singh, Guru Nanak Dev University Library, Amritsar and by Dr. K.N. Prasad)

Address: Dr. K.N. Prasad, Institute of Information Studies, 702 'Upstairs', 42nd Cross, III Block, Rajajinagar, Bangalore 560 010, India.

Knowledge Organization and Quality Management

3rd International ISKO Conference, Copenhagen, 20-24 June 1994

On Jan. 17, 1994 the Program Committee chairpersons together with a few members of that committee and of the Organizing Committee met at Copenhagen and were informed by the Conference Chair, Mrs. Hanne Albrechtsen, on the assessment of the 111 proposals for papers that were received and evaluated by 3 committee members each according to a rating schedule. Practically only those papers which found the approval of 3 committee members were accepted for presentation at the conference, with a few of those having been approved of 2 committee members only. Thus the evaluation resulted in a rather hard selection for the 50% of submissions which could not be included.

The program foresees 2 plenary sessions in the mornings of the 21-24th of June and 4 parallel sessions in the afternoons of 21 and 22 June, and 2 and 1 consecutive session on the afternoons of June 23 and 24 respectively. In each session 3 papers will be presented. The preliminary program looks as follows:

Tuesday, 21 June 1994

8:30-10:15 AM: Quality Management

LÖCKENHOFF, H.: Modelling the order of knowledge: The quality paradigm. - SUKIASYAN, E.: The information retrieval system: Systems analysis of the problem of quality management. - HOWARTH, L.: Online access to classification numbers: Quality control in Canadian bibliographic databases.

10:45-12:30 Theory of Knowledge

DAHLBERG, I.: Domain interaction: Theory and practice. - OLSON, H.A.: Universal models: a history of the

https://doi.org/10.5771/0943-7444-1994-1-37 https://www.inlibra.com/de/page/agb - Open Access - (cc) BY

organization of knowledge. - ALBRECHTSEN, H.: Classification schemes as epistemological instruments.

13:30-15:15 Linguistics

KHELALFA, H., NOUALI, O.: SIGNAR: Generating responses in a natural language query system. - NAKAMURA, Y.: A language for knowledge representation. - ANANIADOU, S.: A computational linguistic approach to automatic term recognition.

15:45-17:15 Theory of Knowledge

HJOERLAND, B.: World-views, quality of knowledge and classification. - JACOB, E.: Classification and crossdisciplinary communication. - FROHMANN, B.: The social construction of knowledge organization.

15:45-17:15 Quality Management

CHUNG, Y.-K.: The international literature of classification systems during the period 1981-1990: a reference study. - MAY, N.: A methodology for the measurement of quality of electronic databases - an interim report of work undertaken by EQUIP. - JUNTUNEN, R., JALKANEN, T.: A metrics evaluation system for database quality.

Wednesday, 22 June 1994

8:30-10:15 Concept Representation in Systems Design

SONNENWALD, D., PEJTERSEN, A.M.: Towards a framework for information retrieval in systems design. - HJERPPE, R.: A framework for the description of generalized documents and their contents. - ENDRES-NIGGEMEYER, B.: A naturalistic model of abstracting.

10:45-12:30 Knowledge Organization in Specific Domains

OERNAGER, S.: The image database. - BRENDER, J., TALMON, J., McNAIR, P.: Framework for quality assessment of medical knowledge. - PEJTERSEN, A.M., ALBRECHTSEN, H.: Subject access to information: a cognitive task analysis of fiction indexing and retrieval.

13:30-15:00 Concept Representation in Systems Design

OHLY, H.P.: Thinking in networks. - JOHNSEN, L.: Maps as hyperobjects: an approach to knowledge (re)presentation in hypertexts. - BOWKER, L.: Applying faceted classification techniques to terminology work.

13:30-15:00 Knowledge Organization in Specific Domains (conceptual models and thesauri)

CHRISTIANSSON, P., MODIN, J.: Conceptual models for communicating knowledge in the building industry - implementation of the CUBE system. - FAILLA., D.: Japanese lacquer art and lacquered furniture: two multilingual faceted microthesauri. - CAMELLI, A., SOCCI, F.: A thesaurus for improving information retrieval in an integrated legal expert system.

15:30-17:00 Online Public Access Catalogs

EFTHIMIADIS, E.N.: End-users' understanding of thesaural knowledge structures and interactive query expansion. - RAGHAVAN, K.S.: Subject access and multilingual multiscript database.- SHOHAM, S., YITZHAKI, M.: Classification systems and the online library.

15:30-17:00 Knowledge-based Systems

GOPINATH, M.A.: Expert system for analytico-synthetic classification. - ISHIKAWA, T., NAKAMURA, H., NAKAMURA, Y.: A UDC number automatic combination system (UDC-AUTCS). - LAMIREL, J.-C., CREHANCE, M., DUCLOY, J.: NOMAD: a documentary database interrrogation system based on neural networks and dynamic document classification.

Thursday, 23 June 1994

8:30-10:15 Linguistics in Knowledge Organization

SCHIPPER, J.D.: Discourse in hypertext systems, knowledge organization structures and information strategies: Some philosophical remarks. - BECH, A., NAVARRETTA, C.: MECKA: Methodologies for constructing knowledge bases for NLP systems. - KENT, R.E.: Implications and rules in thesauri.

10:45-12:30 Communication and Knowledge Organization

BJÖRKLUND, L.: The potential of using knowledge organizing tools in collaborative system development. - SPANGENBERG, N., WOLFF,K.E., FISCHER, R.: The knowledge of experts and the problem of communication and understanding demonstrated by a topic from psychoanalysis. - KWASNIK, B.H., ODDY, R.N.: Adaptive systems: What must a system reveal and represent about itself to allow users to browse in complex information environments?

13:30-15:15 Tools and Techniques for Organization of Knowledge

GUIRELLI, M., NEGRINI, G.: A tool to guide the logical process of a conceptual structuring. - SEDELOW, S.Y., SEDELOW, W.A.: Thesauri and concept-lattice semantic nets. - BJÖRKLIND, A.: An architecture for organizing dynamic information about space and time.

15:45-17:15 Communication and Knowledge Production

JARRED, A., HENDERSON, M.: Communication patterns of historical preservationists. - BAYER, B.: Knowing references. - ANDERSEN, H.H.K.: Production of technical documentation in a large scale international organization.

15:45-16:45 Concept Representation in Systems Design

WOLFF, K.E.: Conceptual control of complex industrial production processes. - BOSMAN, F., MAANEN, L. van, HOLLANDER, F. den: CoBRA/RUG: Expert system for subject queries.

Friday, 24 June 1994

8:30-10:15 Thesauri Facing New Technologies

JONES, S.: Support strategies for interactive thesaurus navigation. - NKWENTI-AZEH, B.: The use of thesaural

https://doi.org/10.5771/0943-7444-1994-1-37 https://www.inlibra.com/de/page/agb - Open Access - (cc) BY

facets and definitions for the representation of knowledge structures. - POLLITT, A.S., ELLIS, G.P., HOSCH, I.: Improving search quality using thesauri for query specification and the presentation of search results.

10:45-12:30 Restructuring Classification Schemes and Thesauri

BUSCH, J.A., PETERSEN, T.: Automated mapping of topical subject headings into facetted index strings using the Art and Architecture Thesaurus. -RIESTHUIS, G.J.A.: Conversion from precoordinated classified catalogues to postcoordinated keyword catalogues. - WILLIAMSON, N.J., McILWAINE, I.C.: A feasibility study on the restructuring of the Universal Decimal Classification into a fully-facetted system.

13:30-15:15 Future Prospects

FUGMANN, R.: Representational predictability: Key to the resolution of pending issues in indexing and information supply. - HYVONEN, M.: Effect of extending the scope of search concepts on the intersearcher and intrasearcher consistency. - WORMELL, I.: Subject access redefined: How new technology changes the concept of subject representation.

15:15 Conference Summary

The conference will be preceded by a Tutorial on *Indexing of Fiction and Systems Design* on Monday, June 20, 1994. The Conference Opening will be in the evening of that day with an inaugural speech by Prof. P.A. COCHRANE on "Elsinore revisited".

There will be *Product Representations* on Thursday morning and afternoon. - The *ISKO General Assembly* will take place on Wednesday, June 22, at 17:15 at the place of the conference (see the special invitation in the following). The *Scientific Advisory Council* will meet on Thursday afternoon at 15:30-17:30.

Regarding the social program: To commemorate the famous Elsinore Conference of 1964 a bustrip is planned to visit Elsinore and its Hamlet castle on Monday, June 20. This day will close with a Welcome Reception at 18:30 offered by The Royal School of Librarianship. On Tuesday evening, June 21, 19:00, at Josty, Frederiksberg Gardens, a Banquet is foreseen and another reception in the evening of the 23rd of June.

In case of interest, please ask for a printed program which is available from: Prof. Hanne Albrechtsen, Royal School of Librarianship, 6, Birketinget, DK-2300 Copenhagen S.

ISKO General Assembly 1994

The 4th ISKO Assembly will take place on Wednesday, June 22, 1994 at the Royal School of Librarianship, 6, Birketinget, DK-2300 Copenhagen S, at 5:15 PM. All our members are invited to attend. The Agenda proposed includes the following topics:

1. Opening
2. Acceptance of or Additions to the Agenda
3. Election of the Assembly Chair and the Secretary
4. The President's Progress Report
5. The Report of the Treasurer
6. Discussion of Points 4 and 5
7. Acceptance and Approval of the two Reports
8. Election of the Auditor and Deputy
9. Discussion of the Procedure for the Election of the Executive Board
10. Election of the Executive Board - Presidency
11. Proposals of the Membership for Further Activities of ISKO
12. Proposals for Topics, Places and Dates of the 4th and 5th International ISKO Conferences 1996 and 1998.

As there are no elections by mail in our Society and as we are voting for our Executive Board only every four years, the elections of our '94 Assembly will considerably determine the future of our Society in the forthcoming years. Thus we are hoping that as many of our members as possible will be present at this General Assembly.

Environmental Knowledge Organization and Information Management, Bratislava, Slovakia, Sept. 14-17, 1994

This is the topic of ISKO's first European conference in a special subject area to be held at a place near Bratislava, Sept. 14-17, 1994. The conference will be organized by the National Slovakian ISKO Chapter, the ISKO General Secretariat, Frankfurt and INFOTERM, Vienna with the collaboration of TermNet, CEDAR, UNEP, WHO, UBA, IRC and others. A Call for Papers was sent to the European Focal Points for Environmental Matters and to many relevant institutions in December 1993 and January 1994. The Call outlines the purposes and the aims of the conference, describes in short 11 topics for papers, mentions target participants and target audience, and lists the 17 Program Committee members, etc.

Preregistration form and abstracts of proposals for papers were due by Febr. 28, the full papers of accepted abstracts will be due by July 15, 1994. Whoever wishes to participate is invited to request the program from: Dr. Pavla Stancikova, 1, Biskupická, 82106 Bratislava, Slovakia, Phone/Fax: +427-244 175, or from Infoterm, attn: Mrs.M.Krommer-Benz, M.A., Postfach 130, A-1021 Wien, Phone: +43-1-267 535 309, Fax: +43-1-216 3272.

Conference on "Begriffliche Wissensverarbeitung", Darmstadt, Febr. 23-26, 1994

The annual conference of the Research Group on Knowledge Analysis, this time together with the Ernst Schröder Zentrum for Conceptual Knowledge Processing and with ISKO, took place from Febr. 23-26, 1994 at the Technical University of Darmstadt. It was devoted to "Conceptual Knowledge Processing".

https://doi.org/10.5771/0943-7444-1994-1-37 https://www.inlibra.com/de/page/agb - Open Access - (cc) BY

The program (all papers in German) reads as follows: COY,W. (Bremen): Reduced thinking. - RADERMACHER, F.J. (Ulm): Conceptual Knowledge Processing: Some suggestions on its systematic place and its realization. - WILLE, R. (Darmstadt): A plea for a philosophical foundation of conceptual knowledge processing. - KUHLEN, R. (Darmstadt): Open hypertext systems - a positive or negative utopia for information? - LUFT, A.L.(Forchheim): On the conceptual distinction of 'knowledge', 'information', and 'data'. - RICHTER, M.M. (Kaiserslautern): New results on terminological logic. - ZICKWOLFF, M. (Darmstadt): On the role of formal concept analysis in knowledge acquisition. - SEILER, T.B. (Darmstadt): Do concepts serve for talking? Or: How do concepts exist? - JAENECKE, P. (Stuttgart): Desorientation by wrong measures. - ANDELFINGER, U. (Darmstadt): Conceptual knowledge systems and human understanding from a semiotic point of view. - DAHLBERG, I. (Frankfurt): Knowledge Organization - a new science? - PODLECH, A. (Darmstadt): Purpose and tasks: Language problems in the description of complex public information systems. - ZELGER, J. (Innsbruck): A concept of interactive learning. - RÜTTINGER, B. (Darmstadt): Computer assisted communication and decision making. - KOLLEWE, W., SKORSKY, M. (Darmstadt): A conceptual finding system for laws, ordinances, decrees and standards in the construction field. — FÜHRING, T. (München): Context gestalt in the 3D space according to the principle "contents-oriented neighborhood - spatial neighborhood. - MEDER, N. (Köln): The philosophical concept of knowledge and its "processing". - STÜNZNER, L.(Trier): The theory of autopoetic (selfreferential) systems as a possible approach to the description and explanation of knowledge systems and knowledge processing. - STECKNER, C. (Cologne): Position concepts. - MUDERSBACH, K. (Heidelberg): Addressee-oriented knowledge processing for juridical laws. - KAKRIDIS, I. (Bonn): Taxonomy or partinomy? The semantics of concrete nouns seen in a free classification experiment. - MOSLER, B. (Munich): Conceptual umbrella and information pool - two pillars for our future. - WOLFF, K.E. (Darmstadt): From conceptual measurement to conceptual knowledge. - BARTEL, H.-G. (Berlin): Formal conceptual investigations: Roman tiles and wall plates in an archeometric context. - LENGNINK, K. (Darmstadt): The inclusion of conceptual lattices in Hamming-true lattices. - KRONE, M. (Brunswick): Software-reengineering with formal concept analysis. - UNGVARY, R. (Budapest): Characteristics of relationships in information retrieval languages. - SCHÄFER, J. (Frankfurt): SUR - programming.

For further information please contact: Prof. Dr. Rudolf Wille, Fachbereich Mathematik der TH, Schloßgartenstr. 7, D-64289 Darmstadt, Tel.: 06151-16-3094, Fax: 06151-16-4011.

Initiatives in the USA

Our US-Coordinator, Prof. Hemalata IYER, School of Information Science and Policy, SUNY at Albany, NY, is preparing at present the establishment of a US-ISKO Chapter. - Prof. P.A. COCHRANE, University of Illinois at Urbana-Champaign, member of the ISKO Scientific Advisory Council, has started to organize the 36th Allerton Institute to be held from 23-25 October 1994 (following the ASIS Conference in Alexandria, VA) on the topic "*New Roles for Classification in Libraries and Information Networks*".

We would like to refer also to the Call for Papers for the *5th Classification Research Workshop* to be held on Oct.16, 1994 at Alexandria, VA, preceding the ASIS Annual Meeting, see also p.33 of this issue.

During the ASIS Annual Meeting at Alexandria, VA, Oct.17-21, 1994, one Panel Session (sponsored by SIG/CR and SIG/FIS) will deal with the topic "*Towards a Modern Philosophy of Classification*". Prof. Patrick WILSON is its moderator. For further information please turn to him at the University of California, Berkeley, School of Library and Information Studies, Berkeley, CA, 94720, USA.

Executive Board Activities

At its recent meeting on Febr.23, 1994 at Darmstadt, the ISKO EB finalized a.o. the version of the *Bylaws concerning ISKO Bodies* as well as its *General Form of Publication Contracts*. It is intended to publish the "Bylaws concerning ISKO Bodies" in the next issue of the ISKO News.

The publication of the *Who's Who in Knowledge Organization* had to be postponed from 1993 to 1994 due to a missing help in the General Secretariat.

The *Advances in Knowledge Organization* will be continued with the proceedings volume of the Copenhagen 3rd International ISKO Conference. The edition of selected Madrid and Moscow conference papers in a further volume of this AKO series is waiting for a person volunteering to become its editor.

Continued from p. 36 (Reports and Communications):

Fast Access to Technical Patent Drawings

Starting March 7, 1994, more than 1.4 million images of technical drawings and other graphs from patent documents of the leading patent database worldwide, World Patent Index (WPI), will be accessible via the Scientific and Technical Information Network STN International. For further information turn to STN International, c/o Fachinformationszentrum Karlsruhe, R.Mack, Postfach 2465, D-76012 Karlsruhe, Tel. +49-7247-808-555, Fax: +49-7247-808-666.

https://doi.org/10.5771/0943-7444-1994-1-37 https://www.inlibra.com/de/page/agb - Open Access - (cc) BY