Proceedings

CoLIS 2

Second International Conference on Conceptions of Library and Information Science: Integration in Perspective

October 13 - 16, 1996

Arranged by

The Royal School of Librarianship

Editors

Peter Ingwersen
Niels Ole Pors

The Royal School of Librarianship 1996
# Table of contents

## Basic conceptualisations

**C.J van Rijsbergen:**  
Information, Logic, and Uncertainty in Information Science .............................................. 1

**Ian Cornelius:**  
Information and Interpretation ......................................................................................... 11

**Seven Brier:**  
Cybersemiotics: A new Paradigm in analyzing the Problems of Knowledge Organization and Document Retrieval in Information Science ........................................... 23

**Bryce Allen:**  
From Research to Design: A User-Centered Approach ......................................................... 45

## Philosophical dimensions

**Archie L. Dick:**  
Librarianship and Information Science in South Africa - reflections on the parting of the Ways .................................................................................................................. 61

**Michael Buckland:**  
The “liberal arts” of Library and Information Science and the research university environment .................................................................................................................. 75

**Murat Karamuñftuoglu:**  
Semiotics of Documentary Information Retrieval Systems ............................................... 85

**Joacim Hansson:**  
In My Mind’s Eye - In Search of the Mimetic Relation Between a Library Classification System and its Social Discourses .................................................................................. 99

**Fanie de Beer:**  
The Anthropology of Cyberspace .................................................................................... 117

**David B. Robins:**  
An Intentionalist/Rationalist Approach to the Concept of Representation for Information Retrieval .................................................................................................................. 135

## Methodological approaches

**Mirja Iivonen:**  
Completion of quantitative and qualitative methods: example from a consistency study ................................................................................................................................. 149

**Elaine G. Toms and Jean Tague-Sutcliffe:**  
Informativeness as a Measure of Browsing Effectiveness ..................................................... 161

**Terttu Kortelainen:**  
Compatibility and audience: Applying a concept of diffusion research in bibliometrics ................................................................................................................................. 171

**Manfred Bonitz, Eberhard Bruckner and Andrea Scharnhorst:**  
Why and how could we measure the Matthew effect for countries? ................................. 185

## Information interaction

**Tefko Saracevic:**  
Relevance reconsidered ’96 .................................................................................................... 201

**Peter Ingwersen and Pia Borlund:**  
Information Transfer Viewed as Interactive Cognitive Processes ....................................... 219
Stefano Mizzaro:
A Cognitive Analysis of Information Retrieval .............................................233

Iain Campbell and Keith van Rijsbergen:
The Ostensive Model of developing information needs ................................251

Amanda Spink:
Feedback during information retrieval: A third feedback framework ..........269

Jaana Kristensen:
Concept-bases query expansion in a probabilistic IR system ....................281

Information studies

Pierrette Bergeron:
Practices of information resources management in the Canadien private sector:
Results of a Study Conducted in Eight Large Canadien Organizations ..........293

Maija-Leena Huotari and Tom Wilson:
‘The Value Chain, Critical Success Factors and Company Information Needs in two
Finnish Companies’ ..................................................................................311

Katriina Byström:
The Use of External and Internal Information Sources in Relation to Task
Complexity in a Journalistic Setting .........................................................325

Mari Davis:
Interdisciplinarity in Journal Choices and Reading Patterns in Family Studies.....343

Information seeking & access

Carol C Kuhlthau and Nolan Ledet:
The Relation of Information and Uncertainty in Information Seeking ..........367

Susan Edwards and Allen Hall
Understanding People’s Intentions to visit The Public Library: An Application of
The Theory of Reasoned Action ................................................................377

Charles Cole:
Seeking Corroborating Evidence and “Information” in Humanistic Research
Domains: Corroborating Evidence as Stage 3 of Information-as-Process ..........391

Cool Coleen, Soyeon Park, Nicholas J Belkin,, Jürgen Koenemann and Kwong Bor Ng:
Information Seeking Behavior in New Searching Environments ..................403

Analyses of information objects

Susanne Ornager:
Accessing information in visual language: Theoretical image analysis and empirical
user studies on indexing and retrieval ....................................................417

François Paradis and Catherine Berrut:
Experiments with Theme Extraction in Explanatory Texts .........................433

Moshe Yitzhaki:
Informativity of Journal Article Titles: The Ratio of ‘Significan’ Words ..........447

Ari Pirkola and Kalervo Järvelin:
Recall and Precision Effects of Anaphor and Ellipsis Resolution in Proximity
Searching in a Text Database .................................................................459

Subject Index .........................................................................................477
Author Index .........................................................................................481