

WALKER · KARLGRÉN · KAY

Natural Language

in

INFORMATION

SCIENCE



NATURAL LANGUAGE
IN
INFORMATION SCIENCE

Perspectives and Directions for Research

Edited by: Donald E. Walker
SRI International

Hans Karlgren
KVAL Institute for Information Science

Martin Kay
Xerox Palo Alto Research Center

Results of a
WORKSHOP ON LINGUISTICS AND INFORMATION SCIENCE
Biskops-Arnö, Sweden, 3-5 May 1976

Organized by the Committee on Linguistics in Documentation
of the International Federation for Documentation and KVAL

FID Publication 551

Skriptor, Stockholm, Sweden

© Skriptor AB, Stockholm, 1977.

ISBN 91 7282 131-0

Printed in U.S.A. by B and P Printing, Fairfax, Virginia, 1977.

TABLE OF CONTENTS

Introduction Donald E. Walker, <i>SRI International</i>	3
The Organization and Conduct of the Workshop Donald E. Walker, <i>SRI International</i>	7
Perspective Paper: Information Science F.W. Lancaster, <i>University of Illinois</i>	19
Perspective Paper: Library Science Derek Austin, <i>The British Library</i>	45
Perspective Paper: Quantitative Linguistics Wolf Moskovich, <i>Hebrew University of Jerusalem</i>	57
Perspective Paper: Computational Linguistics Naomi Sager, <i>New York University</i>	75
Perspective Paper: Linguistics Petr Sgall, <i>Charles University</i>	101
Perspective Paper: Complex Semantic Information Processing Teun A. van Dijk, <i>University of Amsterdam</i>	127
Perspective Paper: Terminology J. Goetschalckx, <i>Commission of the European Communities</i>	165
Challenge Paper: Homeosemy -- On the Linguistics of Information Retrieval Hans Karlgren, <i>KVAL Institute for Information Science</i>	167
Linguistics and Information Science: After Five Years Karen Sparck Jones, <i>Cambridge University</i> Martin Kay, <i>Xerox Palo Alto Research Center</i>	183
The Workshop Participants	193