

individual contributions, some of which are very good. The book is a good source of information to get insight into the various avenues MT development and research are taking.

NOTE

1. Because 20% of the participants at the conference knew Esperanto, abstracts in Esperanto appear at the end of each paper. It would have been more beneficial to the reader to also have abstracts in English.

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BOOKS RECEIVED

Books listed below that are marked with an asterisk will be reviewed in a future issue.

Readers who wish to review books for the journal should write, outlining their qualifications, to the book review editor, Graeme Hirst, Department of Computer Science, University of Toronto, Toronto, Canada M5S 1A4. Obviously, we cannot promise the availability of books in anyone's exact area of interest.

Authors and publishers who wish their books to be considered for review in *Computational Linguistics* should send a copy to the book review editor at the address above. All books received will be listed, but not all can be reviewed.

Meaning and Mind: An Examination of a Gricean Account of Language by Anita Avramides
(University of Oxford)

Cambridge, MA: The MIT Press, 1989, xi+202 pp.
ISBN 0-262-01108-5, \$25.00 (hb)

The Society of Text: Hypertext, Hypermedia, and the Social Construction of Information by Edward Barrett (ed.)
(MIT)

Cambridge, MA: The MIT Press, 1989, xix+459 pp. (Information systems series)
ISBN 0-262-02291-5, \$37.50 (hb)

Outils logiques pour le traitement du temps: De la linguistique à l'intelligence artificielle (Logical Tools for the Treatment of Time: From Linguistics to Artificial Intelligence) by Hélène Bestougeff and Gérard Ligozat
(Université Paris 7 and CNRS)

Paris: Masson, 1989, 272 pp. (Études et recherches en informatique)
ISBN 2-225-81632-8 (hb)

Deduction Systems in Artificial Intelligence by Karl Hans Bläsius and Hans-Jürgen Bürckert (eds.)
(IBM Stuttgart and Universität Kaiserslautern)
Chichester, England: Ellis Horwood, 1989, 238 pp. (Ellis Horwood series in artificial intelligence)
ISBN 0-7458-0409-8 and 0-470-21550-X (hb)

***Computational Lexicography for Natural Language Processing** by Bran Boguraev and Ted Briscoe (eds.)
London: Longman, 1989, xv+310 pp. (Copublished in the United States with John Wiley & Sons)

ISBN 0-582-02248-7 (Longman) and 0-470-21187-3 (Wiley), \$49.95 (hb)

Perspectives in Artificial Intelligence: Volume 1: Expert Systems: Applications and Technical Foundations; Volume 2: Machine Translation, NLP, Databases and Computer-Aided Instruction by John A. Campbell and José Cuenca (eds.)
(University College London and Universidad Politécnica de Madrid)

Chichester, England: Ellis Horwood, 1989, 162 pp. (Vol. 1) and 211 pp. (Vol. 2) (Ellis Horwood series in artificial intelligence)

ISBN 0-7458-0659-7 and 0-470-21434-1 (Vol. 1) and 0-7458-0660-0 and 0-470-21435-X (Vol. 2) (hb)

The Predictability of Informal Conversation by Christine Cheepen
(Hatfield Polytechnic)

London: Pinter, 1988, 132 pp. (Distributed in the U.S. by Columbia University Press)
ISBN 0-86187-707-1, \$39.00 (hb)

Working Models of Human Perception by Ben A.G. Elsendoorn and Herman Bouma (eds.)
(Institute for Perception Research, Eindhoven)

London: Academic Press, 1989, xiii+514 pp.
ISBN 0-12-238050-9, £27.00 (hb)

Blackboard Systems by Robert Englemore and Tony Morgan (eds.)

(Stanford University and Systems Designers plc)
Wokingham, England: Addison-Wesley, 1988, xviii+602 pp. (The insight series in artificial intelligence)
ISBN 0-201-17431-6 (hb)

***Speech Input and Output Assessment: Multilingual Methods and Standards** by A. J. Fourcin, G. Harland, W. Barry, and V. Hazan (eds.)

(University College London)
Chichester, England: Ellis Horwood, 1989, 290 pp. (Ellis Horwood books in information technology) (Distributed by John Wiley & Sons)
ISBN 0-7458-0651-1 and 0-470-21439-2, \$67.95 (hb)

***Natural Language Processing in PROLOG: An Introduction to Computational Linguistics** by Gerald Gazdar and Chris Mellish

(University of Sussex and University of Edinburgh)
Wokingham, England: Addison-Wesley, 1989, xv+504 pp.
ISBN 0-201-18053-7, £17.95 (hb)

***Natural Language Processing in POP-11: An Introduction to Computational Linguistics** by Gerald Gazdar and Chris Mellish

(University of Sussex and University of Edinburgh)
Wokingham, England: Addison-Wesley, 1989, xv+524 pp.
ISBN 0-201-17448-0, £17.95 (hb)

***Natural Language Processing in LISP: An Introduction to Computational Linguistics** by Gerald Gazdar and Chris Mellish

(University of Sussex and University of Edinburgh)
Wokingham, England: Addison-Wesley, 1989, xv+524 pp.
ISBN 0-201-17825-7, £17.95 (hb)

Introduction to Lisp and Symbol Manipulation by Sharam Hekmatpour
(Open University)

Hemel Hempstead: Prentice-Hall U.K., 1988, xv+301 pp.
ISBN 0-13-486192-2 (sb)

***Artificial Intelligence Techniques in Language Learning** by Rex W. Last

(Department of Modern Languages, University of Dundee)
Chichester, England: Ellis Horwood, 1989, 173 pp. (Ellis Horwood series in computers and their applications)

ISBN 0-7458-0177-3 and 0-470-21503-8 (hb)

Artificial intelligence Vocabulary / Vocabulaire de l'Intelligence Artificielle by Noël Lazure
(Translation Bureau, Department of the Secretary of State, Canada)
Ottawa: Canadian Government Publishing Centre, 1989, xv + 1217 pp. (two volumes)
ISBN 0-660-54136-X, Cdn\$33.95 in Canada, US\$40.75 elsewhere, (sb)

Language, Children and Society: An Introduction to Linguistics and Language Development by David Lee
(University of Queensland)
New York: New York University Press, 1986, reissued in paperback 1989, xii+222 pp. (Distributed by Columbia University Press)
ISBN 0-8147-5040-0, \$19.00 (sb)

Knowledge Acquisition from Text and Pictures by Heinz Mandl and Joel R. Levin (eds.)
(University of Tübingen and University of Wisconsin)
Amsterdam: North-Holland, 1989, xv+329 pp. (Advances in psychology 58)
ISBN 0-444-87353-8, \$113.25 / Dfl 215.- (hb)

***Natural Language Processing Technologies in Artificial Intelligence: The Science and Industry Perspective** by Klaus K. Obermeier
(Battelle Laboratories)
Chichester, England: Ellis Horwood, 1989, 263 pp. (Ellis Horwood series in artificial intelligence)
ISBN 0-7458-0562-0 and 0-470-21528-3 (hb)

The Parolation Model: Architecture-Independent Parallel Programming by Gary W. Sabot
(Thinking Machines Corp)

Cambridge, MA: The MIT Press, 1988, xiii+238 pp. (Originally the author's Ph.D. thesis, Harvard University, 1988) (The MIT Press series in artificial intelligence)
ISBN 0-262-19277-2, \$27.50 (hb)

Automatic Text Processing: The Transformation, Analysis, and Retrieval of Information by Computer by Gerard Salton
(Cornell University)
Reading, MA: Addison-Wesley, 1989, xiii+530 pp. (Addison-Wesley series in computer science)
ISBN 0-201-12227-8 (hb)

The Facts On File Dictionary of Artificial Intelligence by Raoul Smith (ed.)
(Northeastern University)
New York: Facts On File, 1989, 211 pp.
ISBN 0-8160-1595-3, \$24.95 (Cdn\$32.95) (hb)

Knowledge-Based Programming by Enn Tyugu
(Institute of Cybernetics, Estonian Academy of Sciences, Tallinn, USSR)
Glasgow: Turing Institute Press and Addison-Wesley, 1987, xii+243 pp. (Turing Institute Press knowledge engineering tutorial series)
ISBN 0-201-17815-X (hb)

***Syntax and Semantics, Volume 21: Thematic Relations** by Wendy Wilkins (ed.)
(Arizona State University)
San Diego: Academic Press, 1988, xii+308 pp.
ISBN 0-12-613521-5, \$65.00 (hb)
ISBN 0-12-606102-5, \$24.95 (sb)

Lisp by Patrick Henry Winston and Berthold Klaus Paul Horn
(MIT)
Reading, MA: Addison-Wesley, 3rd edition, 1988, xxi+611 pp.
ISBN 0-201-08319-1 (sb)