

# Books Received

Books listed below that are marked with a † have been selected for review in a future issue, and reviewers have been assigned to each.

Authors and publishers who wish their books to be considered for review in *Computational Linguistics* should send a copy to the book review editor, Graeme Hirst, Department of Computer Science, University of Toronto, Toronto, Canada M5S 1A4. All books received will be listed, but not all can be reviewed.

Readers who wish to review books for the journal should write, outlining their qualifications, to the book review editor at the address above or send electronic mail to gh@cs.toronto.edu. Obviously, we cannot promise the availability of books in anyone's exact area of interest.

†**A Theory of Computer Semiotics:  
Semiotic Approaches to Construction and  
Assessment of Computer Systems**

P. B. Andersen  
(University of Aarhus)  
Cambridge, England: Cambridge University  
Press (Cambridge Series on  
Human-Computer Interaction 3), 1990,  
vii + 416 pp.  
Hardbound, ISBN 0-521-39366-1, \$59.50

**The Logic of Time: A Model-Theoretic  
Investigation into the Varieties of  
Temporal Ontology and Temporal  
Discourse (Second Edition)**

Johan van Benthem  
(University of Amsterdam)  
Dordrecht: Kluwer Academic Publishers  
(Synthese Library 156), 1991,  
xxii + 280 pp.  
Hardbound, ISBN 0-7923-1081-0, \$89.00,  
£52.00, Dfl 150.00  
(Reprint of the 1983 edition with corrigenda  
and a new appendix.)

†**Principle-Based Parsing: Computation  
and Psycholinguistics**

Robert C. Berwick, Steven P. Abney, and  
Carol Tenny (editors)  
(MIT, Bell Communications Research, and  
University of Pittsburgh)  
Dordrecht: Kluwer Academic Publishers  
(Studies in Linguistics and Philosophy 44),  
1991, vii + 408 pp.  
Hardbound, ISBN 0-7923-1173-6, \$89.00,  
£58.00, Dfl 165.00

**Vision, Instruction, and Action**

David Chapman  
(Teleos Research)  
Cambridge, MA: The MIT Press (Artificial  
Intelligence Series), 1991, xiii + 295 pp.  
Hardbound, ISBN 0-262-03181-7, \$35.00

**Origins of the Modern Mind: Three Stages  
in the Evolution of Culture and Cognition**

Merlin Donald  
(Queen's University)  
Cambridge, MA: Harvard University Press,  
1991, viii + 413 pp.  
Hardbound, ISBN 0-674-64483-2, \$27.95

**Principles and Parameters in Comparative  
Grammar**

Robert Freidin (editor)  
(Princeton University)  
Cambridge, MA: The MIT Press (Current  
Studies in Linguistics 20), 1991, xii + 464 pp.  
Hardbound, ISBN 0-262-06140-6, \$50.00

†**The KBMT Project: A Case Study in  
Knowledge-Based Machine Translation**

Kenneth Goodman and Sergei Nirenburg  
(editors)  
(Carnegie Mellon University)  
San Mateo, CA: Morgan Kaufmann, 1991,  
xvi + 331 pp.  
Paperbound, ISBN 1-55860-129-5, \$34.95

**Representation and Derivation in the  
Theory of Grammar**

Hubert Haider and Klaus Netter (editors)  
(University of Stuttgart and DFKI,  
Saarbrücken)  
Dordrecht: Kluwer Academic Publishers  
(Studies in Natural Language and Linguistic  
Theory 22), 1991, 315 pp.  
Hardbound, ISBN 0-7923-1150-7, \$79.00,  
£54.00, Dfl 160.00

**The Cybernetics Group**

Steve J. Heims  
Cambridge, MA: The MIT Press, 1991,  
xii + 334 pp.  
Hardbound, ISBN 0-262-08200-4, \$25.00

**Hidden Markov Models for Speech Recognition**

X. D. Huang, Y. Ariki, and M. A. Jack  
(University of Edinburgh)  
Edinburgh: Edinburgh University Press  
(Edinburgh Information Technology Series 7), 1990, x + 276 pp.  
Hardbound, ISBN 0-7486-0162-7, \$60.00  
(Distributed in North America by Columbia University Press)

**Conducting Interaction: Patterns of Behavior in Focused Encounters**

Adam Kendon  
Cambridge: Cambridge University Press  
(Studies in Interactional Sociolinguistics 7), 1990, xi + 292 pp.  
Hardbound, ISBN 0-521-38036-7, \$54.50;  
Paperbound, ISBN 0-521-38938-0, \$16.95

**Papers in Laboratory Phonology I: Between the Grammar and Physics of Speech**

John Kingston and Mary E. Beckman (editors)  
(Cornell University and The Ohio State University)  
Cambridge, England: Cambridge University Press, 1990, x + 506 pp.  
Hardbound, ISBN 0-521-36238-5, \$69.50;  
Paperbound, ISBN 0-521-36808-1, \$27.95

**†Reference and Computation: An Essay in Applied Philosophy of Language**

Amichai Kronfeld  
(Natural Language Incorporated)  
Cambridge: Cambridge University Press  
(Studies in Natural Language Processing), 1990, xxi + 185 pp.  
Hardbound, ISBN 0-521-36636-4, \$49.50;  
Paperbound, ISBN 0-521-39982-3, \$14.95

**Prolog from the Beginning**

Henry K. Konigsberger and Frank W. G. M. de Bruyn  
London: McGraw-Hill, 1990,  
viii + 363 pp.  
Paperbound, ISBN 0-07-707216-2, no price given

**†Kasusrelationen und semantische Emphase**

[Case Relations and Semantic Emphasis]  
Jürgen Kunze  
(Zentralinstitut für Sprachwissenschaft, Berlin)  
Berlin: Akademie Verlag (Studia Grammatica 32), 1991, 225 pp.  
Paperbound, ISBN 3-05-001771-6, no price listed

**†The Humanities Computing Yearbook 1989-90**

Ian Lancashire (editor)  
(University of Toronto)  
Oxford: Clarendon Press, 1991,  
xviii + 701 pp.  
Hardbound, ISBN 0-19-82425-3, no price listed

**Understanding CLOS, the Common Lisp Object System**

Jo A. Lawless and Molly M. Miller  
(Lucid Inc. and Ascend Communications, Inc.)  
Bedford, MA: Digital Press, 1991,  
ix + 192 pp.  
Paperbound, ISBN 1-55558-064-5, \$26.95

**Competitively Inhibited Neural Networks for Adaptive Parameter Estimation**

Michael Lemmon  
(University of Notre Dame)  
Boston: Kluwer Academic Publishers (The Kluwer International Series in Engineering and Computer Science: Knowledge Representation, Learning, and Expert Systems), 1991,  
xi + 142 pp. Hardbound, ISBN 0-7923-9086-5, \$52.50, £32.35, Dfl 115.00

**How to Set Parameters: Arguments from Language Change**

David Lightfoot  
(University of Maryland)  
Cambridge, MA: The MIT Press, 1991,  
xi + 214 pp.  
Hardbound, ISBN 0-262-12153-0, \$27.50

**Research Directions in Computer Science: An MIT Perspective**

Albert R. Meyer, John V. Guttag, Roland L. Rivest, and Peter Szolovits (editors)  
(MIT)  
Cambridge, MA: The MIT Press, 1991,  
xxiv + 490 pp.  
Hardbound, ISBN 0-262-13257-5, \$40.00

**The Perception of Multiple Objects: A Connectionist Approach**

Michael C. Mozer  
(University of Colorado, Boulder)  
Cambridge, MA: The MIT Press (Neural Network Modeling and Connectionism Series), 1991, xi + 217 pp.  
Hardbound, ISBN 0-262-13270-2, \$27.50

**Logic Programming and Non-Monotonic Reasoning: Proceedings of the First International Workshop**

(Washington, DC, June 1991)  
Anil Nerode, Wiktor Marek, and  
V. S. Subrahmanian (editors)  
(Cornell University, University of Kentucky,  
and University of Maryland)  
Cambridge, MA: The MIT Press, 1991,  
xi + 289 pp.  
Paperbound, ISBN 0-262-64027-9, \$32.50

**Innovative Applications of Artificial Intelligence 2**

Alain Rappaport and Reid Smith (editors)  
Menlo Park, CA: AAAI Press and  
Cambridge, MA: The MIT Press, 1991,  
xvi + 310 pp.  
Paperbound, ISBN 0-262-68068-8, \$25.00

**†Sémiotique et Recherches Cognitives**

François Rastier  
(Centre National de la Recherche  
Scientifique)  
Paris: Presses Universitaires de France  
(Formes Sémiotiques, 1991, 262 pp.  
Paperbound, ISBN 2-13-043825, FF 185

**Artificial Intelligence (Second Edition)**

Elaine Rich and Kevin Knight  
(MCC and Carnegie Mellon University)  
New York: McGraw-Hill, 1991,  
xvii + 621 pp.  
Hardbound, ISBN 0-07-052263-4, no price  
given

**Do the Right Thing: Studies in Limited Rationality**

Stuart Russell and Eric Wefald  
(University of California, Berkeley)  
Cambridge, MA: The MIT Press (Artificial  
Intelligence Series), 1991, xx + 200 pp.  
Hardbound, ISBN 0-262-18144-4, \$27.50

**Programming Paradigms in Lisp**

Rajeev Sangal  
(Indian Institute of Technology, Kanpur)  
New York: McGraw-Hill (McGraw-Hill  
Series in Artificial Intelligence), 1991,  
xv + 292 pp.  
Paperbound, ISBN 0-07-054666-5, no price  
given

**A Practical Guide to Knowledge Acquisition**

A. Carlisle Scott, Jan E. Clayton, and  
Elizabeth L. Gibson  
Reading, MA: Addison-Wesley, 1991,  
xv + 509 pp.  
Hardbound, ISBN 0-201-14597-9, no price  
given

**†Intelligent User Interfaces**

Joseph W. Sullivan and Sherman W. Tyler  
(editors)  
(Lockheed Missiles and Space Company)  
New York: ACM Press and Reading, MA:  
Addison-Wesley (ACM Press Frontier  
Series), 1991, xv + 472 pp.  
Hardbound, ISBN 0-201-50305-0, no price  
listed

**†Knowledge Representation and Metaphor**

Eileen Cornell Way  
(State University of New York, Binghamton)  
Dordrecht: Kluwer Academic Publishers  
(Studies in Cognitive Systems 7), 1991,  
xx + 271 pp.  
Hardbound, ISBN 0-7923-1005-5, \$98.00,  
£52.00, Dfl 150.00

**Speech and Reasoning in Everyday Life**

Uli Windisch  
(University of Geneva)  
Cambridge: Cambridge University Press,  
and Paris: Editions de la Maison des  
Sciences de l'Homme (European  
Monographs in Social Psychology), 1990,  
x + 224 pp.  
Hardbound, ISBN 0-521-35438-2, \$54.50  
(Originally published as *Le raisonnement et le  
parler quotidiens*, Lausanne: Editions l'age  
d'Homme, 1985; translated by Ian Patterson)

**Proceedings, Ninth National Conference on Artificial Intelligence**

(AAAI-91) (Anaheim, CA, July 1991)  
No author, Menlo Park, CA: AAAI Press  
and Cambridge, MA: The MIT Press, 1991,  
xviii + 937 pp. in two volumes.  
Paperbound, ISBN 0-262-51059-6, \$75.00