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.

Logic Primer
Colin Allen and Michael Hand
(Texas A&M University)
Cambridge, MA: The MIT Press, 1992, xiv + 171 pp.
Paperbound, ISBN 0-262-51065-0, $12.95

†The Core Language Engine
Hiyan Alshawi (editor)
(SRI International, Cambridge)
Cambridge, MA: The MIT Press (The ACL–MIT Press Series in Natural Language Processing), 1992, xvi + 322 pp.
Hardbound, ISBN 0-262-01126-3, $37.50

Understanding Music with AI: Perspectives on Music Cognition
Mira Balaban, Kemal Ebcioğlu, and Otto Laske (editors)
(Ben-Gurion University, IBM Thomas J. Watson Research Center, and Newcomp Inc)
Menlo Park, CA: The AAAI Press and Cambridge, MA: The MIT Press, 1992, xxxviii + 512 pp.
Paperbound, ISBN 0-262-52190-9, $39.95

Proceedings of the Second European Conference on Computer-Supported Cooperative Work (ECSCW '91), Amsterdam, 24–27 September 1991
Liam Bannon, Mike Robinson, and Kjeld Schmidt (editors)
(University of Amsterdam and Risø National Laboratory)
Dordrecht: Kluwer Academic Publishers, 1991, xii + 349 pp.
Paperbound, ISBN 0-7923-1439-5, $95.00, £59.50, Dfl 175.00

The Language of First-Order Logic: Including the Macintosh Program Tarski's World; Second Edition, Revised and Expanded
Jon Barwise and John Etchemendy
(Indiana University and Stanford University)
Stanford: Center for the Study of Language and Information (CSLI Lecture Notes), 1991, xiv + 297 pp. and 3.5-inch Macintosh disk.
Paperbound, ISBN 0-937073-74-1, $34.95
(distributed by the University of Chicago Press)

Situation Theory and its Applications, Volume 2
Jon Barwise, Jean Mark Gawron, Gordon Plotkin, and Syun Tutiya (editors)
(Indiana University, Stanford University, University of Edinburgh, and Chiba University)
Proceedings of the Second Conference on Situation Theory and its Applications, Loch Rannoch, Scotland, September 1990
Stanford: Center for the Study of Language and Information (CSLI Lecture Notes 26), 1991, xiii + 637 pp.; distributed by the University of Chicago Press.
Hardbound, ISBN 0-937073-71-7, $59.95; paperbound, ISBN 0-937073-70-9, $26.95

The Philosophy of Mind: Classical Problems, Contemporary Issues
Brian Beakley and Peter Ludlow (editors)
(Eastern Illinois University and State University of New York at Stony Brook)
Cambridge, MA: The MIT Press, 1992, xvi + 433 pp.
Hardbound, ISBN 0-262-02340-7, $39.95; paperbound, ISBN 0-262-52167-9, $19.95

Automated Reasoning: Essays in Honor of Woody Bledsoe
Robert S. Boyer (editor)
(University of Texas at Austin)
Dordrecht: Kluwer Academic Publishers (Automated Reasoning Series 1, edited by William Pase), 1991, xi + 365 pp.
Hardbound, ISBN 0-7923-1409-3, $89.00, £54.00, Dfl 160.00

Knowledge Representation
Ronald J. Brachman, Hector J. Levesque, and Raymond Reiter (editors)
(AT&T Bell Laboratories and University of Toronto)
(First published as a special issue of *Artificial Intelligence*, 49(1–3), 1991)
Cambridge, MA: The MIT Press, 1992, 408 pp.
Paperbound, ISBN 0-262-52168-7, $29.00

What Robots Can and Can't Be
Selmer Bringsjord
(Rensselaer Polytechnic Institute)
Dordrecht: Kluwer Academic Publishers
(Studies in Cognitive Systems, edited by
James H. Fetzer, Volume 12), 1992, xiv +
380 pp.
Hardbound, ISBN 0-7923-1662-2, $111.00,
£64.00, Dfl 185.00

**Grammaire de Montague: Langage,
traduction, interprétation**
Michel Chambreuil
(Université Blaise-Pascal, Clermont-Ferrand)
Clermont-Ferrand, France: Éditions Adosa
(Langues naturel et traitement de
l'information 1), 1989, 248 pp.
Paperbound, ISBN 2-86639-008-3, FF 360

**†Agency in Action: The Practical Rational
Agency Machine**
S. C. Coval and P. G. Campbell
(University of British Columbia)
Dordrecht: Kluwer Academic Publishers
(Studies in Cognitive Systems, edited by
James H. Fetzer, Volume 11), 1992, xvii +
206 pp.
Hardbound, ISBN 0-7923-1661-4, $89.00,
£53.00, Dfl 150.00

**A Concise Introduction to Syntactic
Theory: The Government-Binding
Approach**
Elizabeth A. Cowper
(University of Toronto)
Chicago: The University of Chicago Press,
1992, xii + 205 pp.
Hardbound, ISBN 0-226-11644-1, $59.95;
paperbound, ISBN 0-226-11646-8, $15.95

Talk about Beliefs
Mark Crimmins
(Cornell University)
Cambridge, MA: The MIT Press, 1992, xi +
214 pp.
Hardbound, ISBN 0-262-03185-X, $25.00

Philosophy and AI: Essays at the Interface
Robert Cummins and John Pollock (editors)
(University of Arizona)
Cambridge, MA: The MIT Press, 1991, xi +
304 pp.
Hardbound, ISBN 0-262-03180-9, $29.95

**The Transparent Prolog Machine:
Visualizing Logic Programs**
Marc Eisenstadt, Mike Brayshaw, and
Jocelyn Paine
(Open University and University of Oxford)
Oxford: Intellect and Dordrecht: Kluwer
Academic Publishers, 1991, vii + 176 pp.

Hardbound, ISBN 1-817516-14-5 (Great
Britain only) and 0-7923-1447-6 (elsewhere),
$59.00, Dfl 110.00

**Artificial Intelligence Applications in
Manufacturing**
A. (Fazel) Famili, Dana S. Nau, and Steven
H. Kim (editors)
(National Research Council of Canada,
University of Maryland, and Massachusetts
Institute of Technology)
Menlo Park, CA: The AAAI Press and
Cambridge, MA: The MIT Press, 1992, xiv +
455 pp.
Paperbound, ISBN 0-262-56066-6, $39.95

**An Artificial Intelligence Technique for
Information and Fact Retrieval: An
Application in Medical Knowledge
Processing**
Nicholas V. Findler
(Arizona State University)
Cambridge, MA: The MIT Press
(Information Systems Series; Research
Reports and Notes), 1991, xi + 155 pp.
Paperbound, ISBN 0-262-56060-7, $25.00

Foundations of Generative Syntax
Robert Freidin
(Princeton University)
Cambridge, MA: The MIT Press (Current
Studies in Linguistics 21, edited by Samuel
Jay Keyser), 1992, xi + 368 pp.
Hardbound, ISBN 0-262-06144-9, $39.95

**Logics of Time and Computation, Second
Edition, Revised and Expanded**
Robert Goldblatt
(Victoria University of Wellington)
Stanford: Center for the Study of Language
and Information (CSLI Lecture Notes 7),
1992, ix + 180 pp.; distributed by the
University of Chicago Press
Hardbound, ISBN 0-937073-93-8, $39.95;
paperbound, ISBN 0-937073-94-6, $19.95

Text Understanding in LILOG
Otthein Herzog and Claus-Rainer Rollinger
(editors)
(IBM Deutschland and Universität
Osnabrück)
Berlin: Springer-Verlag (Lecture Notes in
Computer Science 546, edited by G. Goos
and J. Hartmanis, Subseries Lecture Notes
in Artificial Intelligence, edited by
J. Sieckmann), 1991, xi + 738 pp.
Paperbound, ISBN 3-540-54594-8 and
0-387-54594-8, no price listed

**Semantic Interpretation and the
Resolution of Ambiguity**
Graeme Hirst
(University of Toronto)
Cambridge, England: Cambridge University
Press (Studies in Natural Language
Processing), 1987, reissued in paperback
1992, xiv + 263 pp.
Paperbound, ISBN 0-521-42898-X, $22.95

†**An Introduction to Machine Translation**
W. John Hutchins and Harold L. Somers
(University of East Anglia and University of
Manchester Institute of Science and
Technology)
London: Academic Press, 1992, xxi +
362 pp.
Hardbound, ISBN 0-12-362830-X, $42.50

†**Metaphor and Cognition**
Bipin Indurkhya
(Boston University)
Dordrecht: Kluwer Academic Publishers
(Studies in Cognitive Systems, edited by
James H. Fetzer, Volume 13), 1992, xvii +
456 pp.
Hardbound, ISBN 0-7923-1687-8, $135.00,
£78.00, Dfl 225.00

†**Text-Based Intelligent Systems: Current
Research and Practice in Information
Extraction and Retrieval**
Paul S. Jacobs (editor)
Hillsdale, NJ: Lawrence Erlbaum Associates,
1992, viii + 281 pp.
Hardbound, ISBN 0-8058-1188-5, $59.95;
paperbound, ISBN 0-8058-1189-3, $27.50

**Purpose Clauses: Syntax, Thematics, and
Semantics of English Purpose Clauses**
Charles Jones
(George Mason University)
Dordrecht: Kluwer Academic Publishers
(Studies in Linguistics and Philosophy 47,
edited by Gennaro Chierchia, Pauline
Jacobson, and Francis J. Pelletier), 1991, xii
+ 260 pp.
Hardbound, ISBN 0-7923-1400-X, $69.00,
£44.00, Dfl 130.00

The Science of Mind
Kenneth Klivington
(Salk Institute for Biological Studies)
Cambridge, MA: The MIT Press, 1989,
reissued in paperback 1992, 239 pp.
Paperbound, ISBN 0-262-11141-1, $19.95

Literate Programming
Donald E. Knuth
(Stanford University)
Stanford, CA: Center for the Study of
Language and Information (CSLI Lecture
Notes 27), 1992, xv + 368 pp.; distributed
by the University of Chicago Press
Hardbound, ISBN 0-937073-81-4, $59.95;
paperbound, ISBN 0-937073-80-6, $24.95

**Move α: Conditions on its Application and
Output**
Howard Lasnik and Mamoru Saito
(University of Connecticut)
Cambridge, MA: The MIT Press (Current
Studies in Linguistics 22), 1992
Hardbound, ISBN 0-262-12161-1, $29.95

†**Questions and Information Systems**
Thomas W. Lauer, Eileen Peacock, and
Arthur C. Graesser (editors)
(Oakland University, Oakland University,
and Memphis State University)
Hillsdale, NJ: Lawrence Erlbaum Associates,
1992, vii + 374 pp.
Hardbound, ISBN 0-8058-1018-8, $69.95;
paperbound, ISBN 0-8058-1019-6, $34.50

Views on Phrase Structure
Katherine Leffel and Denis Bouchard
(editors)
(University of Alabama at Birmingham and
Université du Québec à Montréal)
Dordrecht: Kluwer Academic Publishers
(Studies in Natural Language and Linguistic
Theory, edited by Joan Maling, James
McCloskey, and Ian Roberts, Volume 25),
1991, v + 241 pp.
Hardbound, ISBN 0-7923-1295-3, $79.00,
£51.00, Dfl 150.00

Symmetry, Causality, Mind
Michael Leyton
(Rutgers University)
Cambridge, MA: The MIT Press, 1992, vii +
630 pp.
Hardbound, ISBN 0-262-12163-8, $45.00

HANDEY: A Robot Task Planner
Tomás Lozano-Pérez, Joseph L. Jones,
Emmanuel Mazer, and Patricia A. O'Donnell
Cambridge, MA: The MIT Press (Artificial
Intelligence Series), 1992, xvii + 227 pp.
Hardbound, ISBN 0-262-12172-7, $39.95

**Locality: A Theory and Some of its
Empirical Consequences**
Maria Rita Manzini
(University College, London)
Cambridge, MA: The MIT Press (Linguistic

Inquiry Monograph 19), 1992, xiv + 171 pp.
Paperbound, ISBN 0-262-63140-7, $16.95

Lexical Representation and Process
William Marslen-Wilson (editor)
(MRC Applied Psychology Unit)
Cambridge, MA: The MIT Press, 1989,
reissued in paperback 1992, xi + 576 pp.
Paperbound, ISBN 0-262-63142-3, $24.95

†Text Generation and Systemic-Functional Linguistics: Experiences from English and Japanese
Christian M. I. M. Matthiessen and John A. Bateman
(University of Sydney and Gesellschaft für Mathematik und Datenverarbeitung, Darmstadt)
London: Pinter Publishers (Communication in Artificial Intelligence Series), 1991, xxii + 348 pp.
Hardbound, ISBN 0-86187-711-X, £52.50

†Conceptual Information Retrieval: A Case Study in Adaptive Partial Parsing
Michael L. Mauldin
(Carnegie Mellon University)
Boston: Kluwer Academic Publishers (The Kluwer International Series in Engineering and Computer Science: Natural Language Processing and Machine Translation, edited by Jaime Carbonell), 1991, xx + 215 pp.
Hardbound, ISBN 0-7923-9214-0, $62.50, £43.25, Dfl 145.00

Apposition in Contemporary English
Charles F. Meyer
(University of Massachusetts at Boston)
Cambridge, England: Cambridge University Press (Studies in English language, edited by Sidney Greenbaum), 1992, xiv + 152 pp.
Hardbound, ISBN 0-521-39475-9, $39.95

SOAR: A Cognitive Architecture in Perspective. A Tribute to Allen Newell
John A. Michon and Aladin Akyürek (editors)
(University of Groningen)
Dordrecht: Kluwer Academic Publishers (Studies in Cognitive Systems, edited by James H. Fetzer, Volume 10), 1992, xi + 248 pp.
Hardbound, ISBN 0-7923-1660-6, $89.00, £52.00, Dfl 150.00

A Short Introduction to Modal Logic
Grigori Mints
(Stanford University)
Stanford: Center for the Study of Language and Information (CSLI Lecture Notes 30),

1992, x + 91 pp.; distributed by the University of Chicago Press
Hardbound, ISBN 0-937073-76-8, $34.95;
paperbound, ISBN 0-937073-75-X, $14.95

The Languages of Paradise: Race, Religion, and Philology in the Nineteenth Century
Maurice Olender
(Ecole des Hautes Etudes en Sciences Sociales)
(Originally published as *Les Langues du Paradis: Aryens et Sémites, un Couple Providentiel*, Paris: Editions du Seuil, 1989; translated by Arthur Goldhammer)
Cambridge, MA: Harvard University Press, 1992, xiii + 193 pp.
Hardbound, ISBN 0-674-51052-6, $29.95

Connectionism and Psychology: A Psychological Perspective on New Connectionist Research
Philip Quinlan
(University of York)
Chicago: The University of Chicago Press, 1991, xvii + 293 pp.
Hardbound, ISBN 0-226-69960-9, $49.95;
paperbound, ISBN 0-226-69961-7, $24.95

Lexical Matters
Ivan A. Sag and Anna Szabolcsi (editors)
(Stanford University and University of California, Los Angeles)
Stanford, CA: Center for the Study of Language and Information (CSLI Lecture Notes 24), 1992, xx + 328 pp.; distributed by the University of Chicago Press
Hardbound, ISBN 0-937073-65-2, $49.95;
paperbound, ISBN 0-937073-66-0, $19.95

The Rediscovery of the Mind
John R. Searle
(University of California, Berkeley)
Cambridge, MA: The MIT Press (Representation and Mind Series, edited by Hilary Putnam and Ned Block), 1992, xv + 267 pp.
Hardbound, ISBN 0-262-19321-3, $22.50;
paperbound, ISBN 0-262-69154-X, no price listed

The Bounds of Logic: A Generalized Viewpoint
Gila Sher
(University of California, San Diego)
Cambridge, MA: The MIT Press, 1991, xv + 178 pp.
Hardbound, ISBN 0-262-19311-6, $27.50

Electronic Information for the Humanities
Mark Stover (editor)
Published as a special issue of *Library
Trends*, **40**(4), Spring 1992; Champaign, IL:
University of Illinois, Graduate School of
Library and Information Science

**Connectionist Approaches to Language
Learning**
David Touretzky (editor)
(Carnegie Mellon University)
First published as a special issue of *Machine
Learning*, 7(2–3), September 1991.
Boston: Kluwer Academic Publishers (The
Kluwer Series in Engineering and Computer
Science: Knowledge Representation,
Learning and Expert Systems), 1991, 149 pp.
Hardbound, ISBN 0-7923-9216-7, $65.00,
£44.95, Dfl 150.00

Lectures on Linear Logic
A. S. Troelstra
(University of Amsterdam)
Stanford, CA: Center for the Study of
Language and Information (CSLI Lecture
Notes 29), 1992, ix + 200 pp.; distributed by
the University of Chicago Press
Hardbound, ISBN 0-937073-78-4, $45.95;
paperbound, ISBN 0-937073-77-6, $18.95

Syntactic Parsing Strategies in Italian
Marcia De Vincenzi
(Institute of Psychology, CNR, Rome)
Dordrecht: Kluwer Academic Publishers
(Studies in Theoretical Psycholinguistics 12,
edited by Thomas Roeper and Kenneth
Wexler), 1991, xxv + 222 pp.
Hardbound, ISBN 0-7923-1274-0, $84.00,
£53.00, Dfl 155.00

**Computer Supported Cooperative Work:
An Introduction**
Paul Wilson
(CSC Europe)
Oxford: Intellect and Dordrecht: Kluwer
Academic Publishers, 1991, iv + 124 pp.
Hardbound, ISBN 1-817516-26-9 (Great
Britain only) and 0-7923-1446-2 (elsewhere),
$57.00, £35.00, Dfl 105.00

**†Lexical Acquisition: Exploiting On-Line
Resources to Build a Lexicon**
Uri Zernik (editor)
(Research and Development Centre, General
Electric Company)
Hillsdale, NJ: Lawrence Erlbaum Associates,
1991, ix + 429 pp.
Hardbound, ISBN 0-8058-0829-9, $69.95;
paperbound, ISBN 0-8058-1127-3, $34.50