the conferences, are collected in this book. The areas of AI covered are: intelligent tutors; learning; natural language; planning and search; reasoning; and AI architecture and systems. The two natural language papers are "Knowledge-based natural language understanding" by Wendy Lehnert (University of Massachusetts) and "Natural-language interfaces" by Ray Perrault (SRI International) and Barbara Grosz (Harvard University).

BOOKS RECEIVED

Books listed below that are marked with a dagger 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.

Readings in Distributed Artificial Intelligence by Alan H. Bond and Les Gasser (eds.)
(California Institute of Technology and University of Southern California, resp.)
San Mateo, CA: Morgan Kaufmann Publishers, 1988, xvii + 649 pp.
ISBN 0-934613-63-X; $29.95 (sb)

†**Interpreting Anaphors in Natural Language Texts** by David M. Carter
(SRI International, Cambridge, England)
Chichester: Ellis Horwood, 1987, 292 pp.
(Ellis Horwood series in artificial intelligence)
ISBN 0-470-21009-5; $74.95 (hb)

Rule-based Programming with OPS5 by Thomas A. Cooper and Nancy Wogrin
(Digital Equipment Corporation)
Morgan Kaufmann Publishers, 1988, xiv + 350 pp.
ISBN 0-934613-51-6; $36.95 (hb)

Reasoning with Incomplete Information by David Etherington
(AT&T Bell Laboratories)
San Mateo, CA: Morgan Kaufmann and London: Pitman, 1988, viii + 240 pp.
(Research notes in artificial intelligence)
ISBN 0-934613-60-5 and 0-273-08785-1; $22.95 (sb)

Cognizers: Neural Networks and Machines That Think by R. Colin Johnson and Chappell Brown
John Wiley and Sons, 1988, xi + 260 pp.
(Wiley Science Editions)
ISBN 0-471-61161-1 (hb)

Proceedings: Case-based Reasoning Workshop by Janet Kolodner (ed.)
(Georgia Institute of Technology)
Morgan Kaufmann Publishers, 1988, xiii + 482 pp.
ISBN 0-934613-93-1 (sb)

Understanding Cognitive Science by Michael F. McTear
(University of Ulster at Jordanstown)
Chichester: Ellis Horwood, 1988, 264 pp.
(Ellis Horwood series in cognitive science)
ISBN 0-7458-0161-7 (hb)

Foundations of Deductive Databases and Logic Programming by Jack Minker (ed.)
(University of Maryland])
San Mateo, CA: Morgan Kaufmann, 1988, 746 pp.
ISBN 0-934613-40-0; $36.95 (sb)

On Being a Machine. Volume I: Formal Aspects of Artificial Intelligence by A. Narayanan
(University of Exeter)
Chichester: Ellis Horwood, 1988, 200 pp.
(Ellis Horwood series in artificial intelligence foundations and concepts)
ISBN 0-85312-957-6 (hb)

Artificial Intelligence III: Methodology, Systems, Applications (Proceedings of the Third International Conference on Artificial Intelligence: Methodology, Systems, Applications (AIMSA '88), Varna, Bulgaria, 20–23 September 1988) by Tim O'Shea and Vasil Sgurev (eds.)
(The Open University and Bulgarian Academy of Sciences, resp.)
Amsterdam: North-Holland, 1988, xii + 444 pp.
ISBN 0-444-70508-2; $94.75 / Dfl 180.00 (hb)

Probabilistic Reasoning in Intelligent Systems: Networks of Plausible Inference by Judea Pearl
(UCLA)
San Mateo: Morgan Kaufmann Publishers, !988, xix + 552 pp.
(The Morgan Kaufmann series in representation and reasoning)
ISBN 0-934613-73-7; $39.95 (hb)

Semantic Networks: An Evidential Formalization and Its Connectionist Realization by Lokendra Shastri
(University of Pennsylvania)
San Mateo, CA: Morgan Kaufmann and London: Pitman, 1988, x + 222 pp.
(Research notes in artificial intelligence)
ISBN 0-934613-39-7 and 0-273-08779-7; $22.95 (sb)

Language and Representation: A Socio-naturalistic Approach to Human Development by Chris Sinha
(University of Utrecht)
New York: New York University Press, 1988, xix + 255 pp.
(distributed by Columbia University Press)
(Research notes in artificial intelligence)
ISBN 0-8147-7885-2; $35.00 (hb)

†**Prosody and Speech Recognition** by Alex Waibel
(Carnegie Mellon University)
San Mateo: Morgan Kaufmann and London: Pitman, 1988, xii + 212 pp.
(Research notes in artificial intelligence)
ISBN 0-934613-70-2 and 0-273-08787-8; $22.95 (sb)

The Semantics and Pragmatics of Preposing by Gregory L. Ward
(University of Pennsylvania)
NY: Garland Publishing, 1988, xvi + 250 pp.
(Outstanding dissertations in linguistics)
ISBN 0-8240-5197-1; $44.00 (hb)

Practical Planning: Extending the Classical AI Planning Paradigm by David E. Wilkins
(SRI International)
San Mateo: Morgan Kaufmann Publishers, 1988, xiii + 205 pp.
(The Morgan Kaufmann series in representation and reasoning)
ISBN 0-934613-94-X; $34.95 (hb)