Computational Linguistics

Articles		
Evaluating Message Understanding Systems: An Analysis of the Third Message Understanding Conference (MUC-3)	Nancy Chinchor, Lynette Hirschman, and David D. Lewis	409
A Computational Theory of Goal-Directed Style in Syntax	Chrysanne DiMarco and Graeme Hirst	451
Empirical Studies on the Disambiguation of Cue Phrases	Julia Hirschberg and Diane Litman	501
Squibs and Discussions		
Co-occurrence Patterns among Collocations: A Tool for Corpus-Based Lexical Knowledge Acquisition	Douglas Biber	531
Book Reviews		
Ontologie und Axiomatik der Wissensbasis von LILOG Gudrun Klose, Ewald Lang, and Thomas Pirlein (editors)	Reviewed by John Bateman	539
The Logic of Typed Feature Structures Bob Carpenter	Reviewed by Fernando Pereira	544
Metaphor and Cognition: An Interactionist Approach Bipin Indurkhya	Reviewed by Eileen C. Way	553
Connectionist Approaches to Natural Language Processing Ronan G. Reilly and Noel E. Sharkey (editors)	Reviewed by James Henderson	557
Constraint-Based Grammar Formalisms: Parsing and Type Inference for Natural and Computer Languages Stuart M. Shieber	Reviewed by Veronica Dahl	560
Briefly Noted		565
Books Received		569



Copyright ©1993 by the Association for **Computational Linguistics.** Permission to photocopy articles for internal or personal use, or the internal or personal use of specific clients, is granted by the copyright owner for users registered with the Copyright Clearance Center (CCC) Transactional Reporting Service, provided that the fee of \$3.00 per article-copy is paid directly to CCC, 27 Congress Street, Salem, MA 01970. The fee code for users of the Transactional Reporting Service is 2017/93 \$3.00. For those organizations that have been granted a photocopy license with CCC, a separate system of payment has been arranged. Such permission requests and other permission inquiries should be addressed to the Managing Editor at the address given on the inside front cover of this issue.

Computational Linguistics is abstracted and/or indexed in the following publications: Annual Review of Information Science and Technology, Computer Abstracts, Computing Reviews, Current Contents: Social and Behavioral Sciences, Knowledge Engineering Review, Language and Language Behavior Abstracts, Linguistic Abstracts, Linguistic Bibliography, Science Abstracts (INSPEC Section C), and Social Sciences Citation Index.

Volume 14 and subsequent volumes of *Computational Linguistics* are available on microfilm through University Microfilms International, 300 North Zeeb Road, Ann Arbor, MI 48106, USA.

Send advertising and mailing list inquiries to Marketing Manager, MIT Press Journals, 55 Hayward Street, Cambridge, MA 02142; (617) 253-2866; e-mail: journals-info@mit.edu.

Individual Subscriptions to Computational *Linguistics* are available only with membership in the Association for Computational Linguistics (ACL). Annual Membership Dues are as follows: regular, \$30.00; student — taking a full-time program of courses and not earning a regular income, \$20.00; retired, \$20.00; joint - for couples receiving one subscription, \$40.00. A membership application together with an order form for back issues and conference proceedings is included at the end of this issue. Send membership applications and address changes to Dr. Donald E. Walker (ACL), Bellcore, 445 South Street, MRE 2A379, Morristown, NJ 07960, USA; acl@bellcore.com. However, note that it is also possible to pay by credit card (both by e-mail and by postal mail) and through banks in Switzerland and Japan.

Institutional Subscriptions are \$80.00. Outside the U.S. add \$14.00 postage handling. Canadian subscribers also add 7% GST. Single copies of current and back issues are \$22.00. Outside U.S. add \$5.00 per issue for postage and handling. Canadians add additional 7% GST. Send institutional subscription orders and address changes to MIT Press Journals, 55 Hayward Street, Cambridge, MA 02142; (617) 253-2889; e-mail: journals-orders@mit.edu. To be honored free of charge, claims for missing copies must be made immediately upon receipt of the next published issue. Prices subject to change without notice. Institutions should order back issues before 1988 and all proceedings from the ACL at the address above.