Special Offer - Save 20%

The Cambridge/ACL Series STUDIES IN NATURAL LANGUAGE PROCESSING

Aravind Joshi, Series Editor

This series of monographs, texts, and edited volumes is published in cooperation with the Association for Computational Linguistics.

NATURAL LANGUAGE PARSING

Psychological, Computational and Theoretical Perspectives

David R. Dowty, Lauri Karttunen and Arnold M. Zwicky, Editors

432 pp.

10 tables/20 diagrams

26203-8 Hb List: \$84.95

Discount: \$67.96

RELATIONAL MODELS OF THE LEXICON

Representing Knowledge in Semantic Networks

Martha Walton Evens, Editor

400 pp.

Tables/line diagrams

36300-4 Hb

List: \$59.95 Disc

Discount: \$47.96

COMPUTATIONAL LINGUISTICS

An Introduction

Ralph Grishman

208 pp.

Many line diagrams

31038-5 Pb

List: \$21.95

Discount: \$17.56

REFERENCE AND COMPUTATION

An Essay in Applied Philosophy of Language

Amichai Kronfeld

207 pp.

36636-4 Hb List: \$64.95

39982-3 Pb List: \$17.95

Discount: \$51.96 Discount: \$14.36

SEMANTIC PROCESSING FOR FINITE DOMAINS

Martha Stone Palmer

208 pp.

36226-1 Hb List: \$64.95

Discount: \$51.96

SYSTEMIC TEXT GENERATION AS PROBLEM SOLVING

Terry Patten

240 pp.

Some line diagrams

35076-X Hb

List: \$49.95

Discount: \$39.96

Now in paper...

SEMANTIC INTERPRETATION AND THE RESOLUTION OF AMBIGUITY

Graeme Hirst

275 pp. 15 to

15 tables/25 diagrams

42898-X Pb List: \$27.95

Discount: \$22.36

PLANNING ENGLISH SENTENCES

Douglas E. Appelt

192 pp.

Many line diagrams

43803-9 Pb List: \$19.95

Discount: \$15.96

TEXT GENERATION

Kathleen R. McKeown

256 pp.

34 line diagrams

43802-0 Pb List: \$19.95

Discount: \$15.96

In North America, order from Cambridge, Linguistics Marketing Dept., 40 West 20th Street, New York, NY 10011-4211. All orders must be prepaid by check or charged on VISA or MasterCard. Residents of NY and CA add sales tax; Canadian residents add 7% GST. Shipping charges in the U.S. and Canada are \$2.00 for the first book and \$0.75 for each additional book.

CAMBRIDGE UNIVERSITY PRESS

Discount offer available to ACL members only.

Come explore our World LineWeb online catalog on CATALOG the World Wide Web for the latest information on our print and electronic journals! Point your Web browser to our site and you'll find subscription and ordering information, announcements on new titles and special issues, call for papers, URL: http://wwwforthcoming tables of contents, mitpress.mit.edu/ abstracts, and more for all our 35 journals! surfing the Nex Riding the W.W.W Wave Making a Splash Crest Above the Rest MIT Press Journals, 55 Hayward Street, Cambridge, MA 02142 Tel: 617-253-2889 Fax: 617-258-6779

journals-orders@mit.edu

Original in Paperback

THE MINIMALIST PROGRAM

Noam Chomsky

The Minimalist Program consists of four recent essays that attempt to situate linguistic theory in the broader cognitive sciences. Building on the theory of principles and parameters, the minimalist framework takes Universal Grammar as providing a unique computational system, with derivations driven by morphological properties, to which the syntactic variation of languages is also restricted.

Current Studies in Linguistics 300 pp. \$20.00 paperback (August)

ENGLISH SYNTAX Second Edition

C. L. Baker

English Syntax is an authoritative, selfcontained introduction to the subject for students who have had no prior coursework in syntactic theory. In this revised edition, there are changes in almost every chapter, including a large number of new exercises and several new subsections.

672 pp., 348 illus. \$27.50 paperback

LANGUAGE IN ACTION

Categories, Lambdas, and Dynamic Logic

Johan van Benthem

Language in Action demonstrates the viability of mathematical research into the foundations of categorial grammar. Since its initial publication it has become the classic work in the foundations of categorial grammar. A new introduction to this paperback edition updates the open research problems and records relevant results through pointers to the literature.

360 pp. \$30.00 paperback (May)

THE WORD ON LANGUAGE

REPRESENTING TIME IN NATURAL LANGUAGE

The Dynamic Interpretation of Tense and Aspect

Alice G. B. ter Meulen

Alice ter Meulen integrates current research in natural language semantics, with detailed analyses of English discourse, and logical tools from a variety of sources into an information theory that provides the foundation for computational systems to reason about change and the flow of time.

A Bradford Book 176 pp., 23 illus. \$22.50 (May)

ELECTRIC WORDS

Dictionaries, Computers, and Meanings

Yorick A. Wilks, Brian M. Slator, and Louise Guthrie

Electric Words is the first general survey of and introduction to the entire range of work in lexical linguistics and corpora in the broader fields of natural-language processing and artificial intelligence.

ACL-MIT Press Series in Natural Language Processing. A Bradford Book 288 pp. \$32.50 (July)

To order call toll-free 1-800-356-0343 (US & Canada) or (617) 625-8569. MasterCard & VISA accepted. Prices will be higher outside the U.S and are subject to change without notice.

MIT Press catalogs are now available on line: http://www.mitpress.mit.edu gopher://infx.infor.com

THE MIT PRESS

55 Hayward Street, Cambridge, MA 02142 & Fitzroy House, 11 Chenies Street, London WC1E 7ET, England

Linguistics and Philosophy

A Journal of Natural Language Syntax, Semantics, Logic, Pragmatics, and Processing

Editor-in-Chief: Gregory N. Carlson

Linguistics and Philosophy is a journal for studies focused on natural language, and is of interest to practitioners in the disciplines covered in the title. Although the field thus described is so extensive that a complete listing of relevant topics is precluded, at least the following specifically fall within it:

- traditional areas in the philosophy of language such as meaning, truth, reference, description, entailment, speech acts traditional areas of linguistics such as syntax, semantics and pragmatics (when the studies are of sufficient explicitness and generality to be also of philosophical interest)
- -aspects of artificial intelligence concerned with language such as computational linguistics and natural language processing systems of logic with strong connections to natural language: modal logic, tense logic, epistemic logic, intensional logic philosophical questions raised by linguistics as a science: linguistics methodology, the status of linguistics theories, the nature of linguistic universals
- philosophically interesting problems at the intersection of linguistics and other disciplines: language acquisition, language and perception, language as a social convention.

Linguistics and Philosophy is abstracted/indexed in Bulletin Signalétique; Community Development Abstracts; Current Contents/Arts & Humanities; Arts & Humanities Citation Index; Linguistics & Language Behavior Abstracts; Language Teaching & Linguistics; MLA International Bibliography; The Philosopher's Index; Referativnyi Zhurnal; Sociological Abstracts; IBZ/IBR; Linguistics Abstracts; Linguistics Bibliography; Zentralblatt für Mathematik; Revue Philosophique de Louvain; Research Alert; Information Technology and the Law

Subscription Information

ISSN 0165-0157

1995, Volume 18 (6 issues)

Subscription Rate: NLG 488.00 / USD 279.00.

Private Subscription Rate: NLG 195.00; USD 85.00. Prices are including postage and handling.

P.O. Box 322, 3300 AH Dordrecht, The Netherlands P.O. Box 358, Accord Station, Hingham, MA 02018-0358, U.S.A. Journal Highlight

Kluwer academic publishers



Journal of Intelligent **Information Systems**

Integrating Artificial Intelligence and **Database Technologies**

Editor-in-Chief:

Larry Kerschberg, Zbigniew Ras, Maria Zemankova

The mission of the Journal of Intelligent Information Systems: Integrating Artifical Intelligence and Database Technologies is to present research and development focused on the integration of Artificial Intelligence and Database Management technologies to provide models, architectures, tools and techniques for the next generation of systems - Intelligent Information Systems. The Journal of Intelligent Information Systems is a technical journal that focuses on the creation of information systems that exhibit intelligent behavior and embody intelligence in their reasoning and management processes.

Increasingly, knowledge-directed inference processes are being used to produce information from the data contained in large shared databases. The goal of the Journal of Intelligent Information Systems is to provide a forum for those interested in making information systems intelligent in which they can publish their original research and development results. For us, intelligence may be manifested in a user interface which has knowledge of user profiles and preferences and can use this knowledge to foster more productive human-computer interactions; intelligence may be embodied in the loosely or tightlycoupled architectures for integrating knowledge-based systems with database systems; and intelligence may reside in query optimization algorithms that incorporate semantic integrity constraints, heuristics as well as database statistics. Journal of Intelligent Information Systems is an archival, peer-reviewed, technical journal publishing the following types of high-quality, state-of-the-art papers: - research papers - invited papers - workshop and conference reports - survey and tutorial articles - book reviews. In addition to papers Journal of Intelligent Information Systems also presents: - meeting announcements - reviews - open problems and proposed solutions.

Subscription Information

ISSN 0925-9902

1995. Volume 4-5 (6 issues)

Subscription Rate: NLG 634.00 / USD 363.00.

Private Subscription Rate: NLG 365.00 / USD 155.00. Prices are

including postage and handling.

P.O. Box 322, 3300 AH Dordrecht, The Netherlands

P.O. Box 358, Accord Station, Hingham, MA 02018-0358, U.S.A.

Journal Highlight

Kluwer academic publishers



COMPUTATIONAL INTELLIGENCE

Edited by NICK CERCONE & GORDON McCALLA

University of Regina and University of Saskatchewan

COMPUTATIONAL INTELLIGENCE is a

leading international journal designed to promote and stimulate research in the field of artificial intelligence (AI).

Articles cover a wide range of AI issues—from the tools and languages of AI to its philosophical implications.

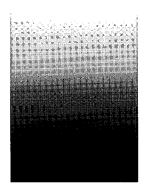
Appealing to readers in research and industry, **COMPUTATIONAL INTELLIGENCE** provides a forum for both experimental and theoretical research, surveys and impact studies

Published in February, May, August & November ISSN: 0824-7935
Subscription rates for **Computational Intelligence**Volume 11, 1995
Individual: \$99.00 N. America \$110.00 row
Institutional: \$214.00 N. America \$233.00 row

*Reduced rate for CSCSI/CIPS members: \$50.00 (Plus cst. proof of membership required)

BLACKWELL
Publishers





238 Main Street Cambridge, MA 02142 E-Mail: blackwell.subscriptions@world.std.com

TO ORDER
CALL TOLL-FREE
(800) 835-6770

Highly respected for its sustained excellence in quality of scholarship, **Linguistic** *Inquiry* leads the field in research on current topics in linguistic theory. Issue after issue, **LI** keeps you informed of new theoretical developments by presenting the latest in international research.

Select Forthcoming Articles

26:1 Feature Geometry and Feature Spreading *Morris Halle*

26:2 "Something Else" for the Binding Theory *Peter Culicover and Ray Jackendoff*

26:3 Marking Statements, Complexity and Simplification Procedures *Andrea Calabrese*

26:4 NC: Licensing and Underspecification in Optimality Theory *Junko Ito, Armin Mester, and Jaye Padgett*

Linguistic Inquiry World-Wide Web (WWW) Home Page URL: http://www-mitpress.mit.edu/jrnls-catalog/linguistic.html

1995 RATES

Individual \$50.00, Institution \$108.00, Student (copy of current ID required)/Retired \$32.00. Outside U.S.A., add \$16.00 postage and handling. Canadians add additional 7% GST. *Prices subject to change without notice. Prepayment required.* Send check—drawn against a U.S. bank in U.S. funds, payable to Linguistic Inquiry—AMEX, MC, or VISA number to:

Circulation Department **MIT PRESS JOURNALS** 55 Hayward Street Cambridge, MA 02142-1399 USA TEL: (617) 253-2889 FAX: (617) 258-6779

INGUISTIC

journals-orders@mit.edu

Samuel Jay Keyser Editor in Chief

Volume 26 forthcoming Published quarterly by **The MIT Press** ISSN 0024-3892

NQUIRY

Visit our on-line book and journal catalogue including over 11,500 titles at: gopher wkp.nl. (IP-number 192.87.90.1

Journal of Logic, Language and Information

Editor:

Peter Gärdenfors

Dept. of Philosophy, Lund University, Sweden

This is the official publication of the European Association for Logic, Language, and Information.

The scope of the journal is the logical and computational foundations of natural, formal, and programming languages, as well as the different forms of human and mechanized inference. It covers the logical, linguistic, and information-theoretic parts of the cognitive sciences. Examples of main subareas are Intensional Logics including Dynamic Logic; Nonmonotonic Logic and Belief Revision; Constructive Logics; Complexity Issues in Logic and Linguistics; Theoretical Problems of Logic Programming and Resolution; Categorial Grammar and Type Theory; Generalized Quantification; Information-Oriented Theories of Semantic Structure like Situation Semantics, Discourse Representation Theory, and Dynamic Semantics; Connectionist Models of Logical and Linguistic Structures. The emphasis is on the theoretical aspects of these areas.

The purpose of the journal is to act as a forum for researchers interested in the theoretical foundations of the above subjects and their interdisciplinary connections, with an emphasis on general ideas increasing coherence.

Journal of Logic, Language and Information is abstracted/indexed in Mathematical Reviews; Current Mathematical Publications; MathSci; Inspec Database; Zentralblatt für Mathematik; Sociological Abstracts; Linguistic and Language Behavior Abstracts; MLA International Bibliography

Subscription Information

ISSN 0925-8531

1995, Volume 4 (4 issues)

Subscription Rate: NLG 435.00 / USD 249.00, including postage and handling.

Special rate for members of the European Foundation for Logic, Language and Information available. For more information, please write to the FoLLI Bureau, FWI, University of Amsterdam, Plantage Muidergracht 24, 1018 TV Amsterdam, The Netherlands Kluwer academic publishers

Journal Highlight



P.O. Box 322, 3300 AH Dordrecht, The Netherlands P.O. Box 358, Accord Station, Hingham, MA 02018-0358, U.S.A.

LANGUAGE AND COMPUTERS

VOLUME 13: CREATING AND USING ENGLISH LANGUAGE CORPORA. Papers from the fourteenth International Conference on English Language Research on Computerized Corpora, Zürich 1993

Ed. by Udo Fries, Gunnel Tottie and Peter Schneider

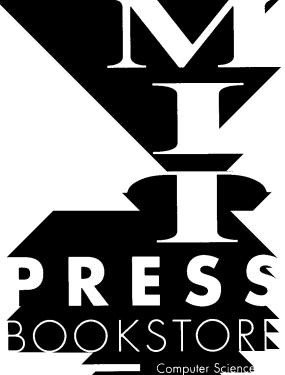
Amsterdam/Atlanta, GA 1994. 203 pp.

ISBN: 90-5183-629-5 Hfl. 60,-/US-\$ 37.50

Contents: Creating Corpora. DOUGLAS BIBER, EDWARD FINEGAN and DWIGHT ATKINSON: ARCHER and its challenges: Compiling exploring a representative corpus of historical English registers. PHILIP BOLT: The International Corpus of English project - the Hong Kong experience. STIG JOHANSSON and KNUT HOFLAND: Towards an English-Norwegian parallel corpus. Using corpora. HENK BARKEMA: Determining the syntactic flexibility of idioms. NANCY BELMORE: Contrasting the Brown corpus as tagged at Brown with the Brown corpus as tagged by CLAWS1. MATS EEG-OLOFSSON and BENGT ALTENBERG: Discontinuous recurrent word combinations in the London-Lund Corpus. SYLVIANE GRANGER and FANNY MEUNIER: Towards a grammar checker for learners of English. PIETER DE HAAN and ERIK SCHILS: The Qsum plot exposed. JOHN M. KIRK: Concordances or databases? GÖRAN KJELLMER: Lexical differentiators of style: Experiments in lexical variability. CHRISTIAN MAIR: Is see becoming a conjunction? The study of grammaticalisation as a meeting ground for corpus linguistics and grammatical theory. TERTTU NEVALAINEN: Diachronic issues in English adverb derivation. PAM PETERS: American and British influence in Australian verb morphology. HELENA RAUMOLIN-BRUNBERG: The position of adjectival modifiers in Late Middle English noun phrases. JOSEF SCHMIED: Analysing style variation in the East African corpus of English. JAN SVARTVIK, OLOF EKEDAHL and BRYAN MOSEY: Public speaking. ATRO VOUTILAINEN and JUHA HEIKKILÄ: An English Constraint Grammar (ENGCG): a surface syntactic parser of English.

USA/Canada: Editions Rodopi, 233 Peachtree Street, N.E., Suite 404, Atlanta, GA 30303-1504, Telephone (404) 523-1964, Call toll-free 1-800-225-3998 (U.S. only), Fax (404) 522-7116

And Others: Editions Rodopi B.V., Keizersgracht 302-304, 1016 EX Amsterdam, The Netherlands. Telephone ++ (0) 20 622 75 07, Fax ++ (0) 20 638 09 48



9 Neuroscience

Main Street endall Square Cambridge MA

0 2 1 4 2

517,253,5249

Cognitive Science

Artificial Intelligence

Economics

Linguistics

Philosophy

Δri

Design

obotography

Architecture

Science, Technology

& Society

Artificial Life

Christopher G. Langton, Chief Editor Santa Fe Institute

"Artificial life literally means 'life made by humans rather than by nature' ... On the whole Artificial Life is a very cool ... scholarly journal."

--Wired

Electronic Service
Artificial Life Online is an
WWW- and ftp-accessible
Internet service that provides a
variety of information to the
artificial life research community: artificial-life-related
software, papers, FAQs,
discussion forums; and mailing
liese

URL: http://alife.santafe.edu or ftp: alife.santafe.edu

Questions: root@alife.santafe.edu Mailing Lists Info:

majordomo@alife.santafe.edu

"Artificial Life is a terrific new journal . . . Its editor Chris Langton is one of the leading lights of Artificial Life (A-Life) and has assembled a cracker jack team of editorial advisors . . . This publication provide[s] a source for research that goes beyond the 'Gee whiz, here's another twist on a neat algorithm' variety and serves up research with meaning and influence . . . Artificial Life will be the preeminent venue for publishing significant research findings in this fascinating field of Artificial Life."

-AI Expert

Volume 1, Numbers 1 & 2 highlights include:

Cooperation and Community
Structure in Artificial Ecosystems Kristian Lindgren and Mats G.
Nordahl
Toward Synthesizing Artificial Neural
Networks that Exhibit Cooperative
Intelligent Behavior: Some Open
Issues in Artificial Life - Michael
Dyer
Chaos as a Source of Complexity
and Diversity in Evolution- Kunihiko
Kaneko
Beyond Digital Naturalism - Walter
Fontana, Günter Wagner,

Volume 1, Number 3 highlights include:

Computer Viruses as Artificial Life Eugene Spafford
Genetic Algorithms and Artificial
Life - Melanie Mitchell and
Stephanie Forrest
Artificial Life as Philosophy - Daniel
Dennett
Levels of Functional Equivalence in
Reverse Bioengineering - Stephen
Harnad
Why Do We Need Artificial Life? Eric W. Bonabeau and Guy
Therulaz

1995 Rates \$45 Individual; \$135 Institution; \$25 Students*/Retired. (*Provide a copy of current ID). Outside U.S.A. add \$16 postage and handling. Canadians add additional 7% GST. Prices are subject to change without notice. Prepayment is required. Please send check drawn on a U.S. bank in U.S. funds, MC, AMEX, or VISA number to: MIT Press Journals 55 Hayward Street Cambridge, MA 02142-1399 tel: 617-253-2889 fax: 617-258-6779 journals-orders@mit.edu Quarterly, Volume 2 forthcoming, fall/winter/spring/summer, 96 pp. per issue, 7 x 10 illustrated, ISSN 1064-5462.

and Leo W. Buss

ATTENTION COLLEGE AND UNIVERSITY INSTRUCTORS COPYRIGHT IS NOT THE ENEMY!

YES YOU CAN make copies of articles in this journal and other MIT Press journals for course anthologies while respecting © Copyright and fulfilling all legal obligations. It is easy to obtain copyright permission by contacting the organizations listed or using the request form below.

In the USA:			In other countries:			
Academic Permissions Service Copyright Clearance Center 27 Congress Street Salem, MA 01970 TEL: 508-744-3350 FAX: 508-745-9379	NACS Copyright Permissions Service 500 East Lorain Street Oberlin, OH 44074-1294 TEL: 216-775-7777 FAX: 216-774-2216	Kinkos Service Corp. P.O. Box 8099 Ventura, CA 93002-8099 TEL: 805-652-4000 FAX: 805-652-4220	Copyright Clearance Center 222 Rosewood Drive Danvers, MA 01923 TEL: 508-750-8400 FAX: 508-750-4470			
Note: For certain articles, it MIT does not hold the cop is the case.						
Please read and sign the following Conditions of this Permission: 1.) A copy of this form plus your cancelled check will be proof that you have been granted permission to use the material listed below by MIT Press Journals. 2.) All rights granted herein are nonexclusive, world rights and exclude translation into other languages, digest or abridgement of the material, or any material reproduced from another source. 3.) You should acknowledge the author, journal, and MIT Press, and include correct copyright information on all copies made. 4.) This permission is specific only to the use and number of copies indicated on the form below.						
I have read and agree to the above conditions, signed						
Name		····				
Course						
Address I would like to reprint the following material from the journal: Author						
Title						
Vol./	Page	No. of	No.			
Issue No	Numbers	pages	of copies			
Regular Fee:\$.06\$.03\$10 minimum		Page copied x number of copies (1-499) Page copied x number of copies (500-999)				
TO CALCULATE PERA Fee ratex number o		number of copies	=Permissions Fee			
Please make check payable to MIT Press Journals and send to: Subsidiary Rights Manager, MIT Press Journals, 55 Hayward Street, Cambridge, MA 02142. Please call 617-253-2864 or fax 617-258-6779 or e-mail to uscilka@mitvma.mit.edu for additional information. Invoice # MITP use only						

Association for Computational Linguistics

1995 MEMBERSHIP, CHANGE OF ADDRESS, AND ORDER FORM New Address for ACL Office MEMBERSHIP

Membership in the Association for Computational Linguistics is for the calendar year, regardless of when dues are paid. Membership includes a full year of the ACL journal Computational Linguistics, reduced registration at most ACL-sponsored conferences, and discounts on ACL-sponsored publications. A late payment fee will be charged for renewals received after 1 April; this fee does not apply to new members. Institutions subscribe to the journal through MIT Press Journals, 55 Hayward Street, Cambridge, MA 02142 USA; +1-617-253-2889 phone; 258-6779 fax; journals-orders@mit.edu email. Back issues and proceedings are available only from the ACL, except that institutions should backorder journals for 1988 and following years through MIT Press. Payments for dues, back issues, and proceedings can be made in Europe and Japan as well as the U.S. Read the directions under the heading PAYMENT below carefully. Identify institutional affiliation, if it is not part of your address. Also provide telephone country & region codes and e-mail address, even if you have done so before. Write legibly, please!

FULL NAME			
(first/given names) (last/family r	names)		
INSTITUTIONTELE	TELEPHONE		
E-MAILADDRESS			
CREDIT CARD INFORMATION: VISA and MASTERCARD only *			
CARD NUMBERE	EXPIRATION DATE		
TOTAL PAYMENT (for Dues, Walker and International Funds, Back Issues, Supplem	ents, and Proceedings) \$		
* Please correct any errors in the label provided. Provide prompt notification of add addresses will not be remailed until a \$5.00 postage and handling fee is remitted.	dress changes; copies returned because of bac		
MEMBERSHIP DUES FOR 1995: Dues for Regular Members are \$50. Couples with the for \$60; they will receive only one set of publications, but each will be eligible for all oth program of courses and not earning a regular income may become Student Members for \$ ■ Students who are not Student Members and pay at the Regular rate can still participate in Members and Unemployed Members pay \$30. Surface mailing costs are included in the Regular (\$50) □ Joint (\$60) □ Student (\$30) □ Student-Employed (\$50) □ Regular (\$50) □ Regular (\$50) □ Regular (\$50) □ Student (\$50) □ Regular (\$50) □ Student (\$50) □ Student (\$50) □ Regular (\$50) □ Student (\$50) □ Studen	ner member benefits. Students taking a full-time 630 WITH COPY OF CURRENT STUDENT in student activities as Student-Employed. Retired membership dues.		
	DUES \$		
1st class or air (\$10 U.S., Canada, Mexico; \$25 elsewhere):	OPTIONAL DUES MAILING \$		
Renewals received after 1 April 1995 pay \$10 additional postage & handling fee	LATE PAYMENT FEE \$		
The state of the s	TOTAL DUES PAYMENT \$		
INTERNATIONAL FUND: This fund makes ACL memberships and publications avail their national currencies for international transactions or for whom membership would oth deductible; check local regulations.			
deductions, eneck rocar regulations,	INTERNATIONAL FUND \$		
THE DON AND BETTY WALKER INTERNATIONAL STUDENT FUND: This f It will help support student travel to ACL meetings. Contributions may be tax-deductible check local regulations. Make checks payable to "THE WALKER FUND". Visa and Mass be made by e-mail to the ACL office in the US.	und was set up to honor Don and Betty Walker e, and companies may provide matching funds tercard payments are also accepted. Payment car		
	WALKER FUND \$		
JOURNAL BACK ISSUES AND PROCE	EEDINGS		
JOURNAL BACK ISSUES: Back issues of Computational Linguistics are available for of Graduate Programs in Computational Linguistics, 3rd edition, and a Survey of Computational Linguistics, 3rd edition, and a Survey of Computational Computational Computational Computational Computational Computational Computational Computational Computation, and a Survey of Computational Linguistics are available for Computational Linguistics, and a Survey of Computational Linguistics, and edition, and edition and ed	om the ACL, as are two supplements; a Director, putational Linguistics Courses, revised in 1993 ery are noted. Institutions must order back issue: ORDERS BY MEMBERS FOR USE IN		
1980-1994 VOLUMES— CIRCLE YEARS (1980-1990: Members \$30; others \$60 / 1990	91-1994: Members \$40; others \$80)		
1980 1981 1982 1983 1984 1985 1986 1987 1988 1989 1990 1991 1992 1993 (Institutions must order 1988-1994 through MIT Press Journals) 1st class or air (each year: \$10 U.S., Canada, Mexico; \$25 elsewhere):			
SUPPLEMENTS— CHECK ITEMS (Members \$15; other \$30):	SUPPLEMENTS \$		
□ 1992 Directory of Graduate Programs □ 1993 Survey of Courses	SUFFLEMENTS \$		
1st class or air (each: \$5 U.S., Canada, Mexico; \$10 elsewhere):	SUPPLEMENT MAILING \$		

PROCEEDINGS: Proceedings are available for the *ACL* conferences listed below. COLING proceedings for 84, 88, 90. 92 and 94 should be ordered through the *ACL*. Surface mailing costs are included in the prices; additional charges for 1st class or air delivery are noted. **ORDERS BY MEMBERS FOR USE IN LABORATORIES OR LIBRARIES MUST BE PAID FOR AT THE "OTHERS" RATE:**

ACL PROCEEDINGS (each proceedings: Member \$30; other \$60):			PROCEEDINGS \$		
Ist class or air (each proceeding	MAILING \$				
ACL ANNUAL MEETINGS					
17th, San Diego, 1979	18th, Philadelphia, 1980	19th, Stanford, 1981	□ 20th, Toronto, 1982		
21st, Cambridge, 1983	-22nd, see COLING-84 below	☐ 23rd, Chicago, 1985	☐ 24th, New York, 1986		
25th, Stanford, 1987	26th, Buffalo, 1988	☐ 27th, Vancouver, 1989	28th, Pittsburgh, 1990		
29th, Berkeley, 1991	☐ 30th, Newark, 1992	☐ 31st, Columbus, 1993	☐ 32nd Las Cruces, 1994		
□ 33rd, Cambridge, 1995 (Aug	gust delivery)				
CONFERENCES ON APPLIE	D NATURAL LANGUAGE PROCESS	SING			
☐ First, Santa Monica, 1983	☐ Second, Austin, 1988	☐ Third, Trento, 1992	☐ Fourth, Stuttgart, 1994		
EUROPEAN CHAPTER CONF	FERENCES				
☐ First, Pisa, 1983	☐ Second, Geneva, 1985	☐ Third, Copenhagen, 1987	☐Fourth, Manchester, 1989		
☐ Fifth, Berlin, 1991	☐ Sixth, Utrecht, 1993	☐ Seventh, Dubin 1995 (May delivery)			
COLING PROCEEDINGS (note differences in prices and in charges for 1st class or air delivery):					
☐ COLING-84, Stanford, 1984 (Members \$45; other \$90)		COLING-84 PROCEEDINGS \$			
1st class or air (\$15 U.S., Canada, Mexico; \$25 elsewhere):		COLING-84 MAILING \$			
☐ COLING-88 (2 vol), Budapest, 1988 (Members \$75; other \$150):		COLING-88 PROCEEDINGS \$			
1st class or air (\$20 U.S., Canada, Mexico; \$40 elsewhere):		COLING-88 MAILING \$			
□ COLING-90 (3 vol.), Helsinki, 1990 (Members \$95; other \$190):		COLING-90 PROCEEDINGS \$			
1st class or air (\$20 U.S., Canada, Mexico; \$40 elsewhere):		COLING-90 MAILING \$			
□ COLING-92 (4 vol.), Nantes, 1992 (Members \$75; others \$150):		COLING-92 PROCEEDINGS \$			
1st class or air (\$20 U.S., Canada, Mexico; \$40 elsewhere):		COLING-92	2 PROCEEDINGS \$		
☐ COLING-94, Kyoto, 1994 (Members \$85; other \$170):		COLING-94 PROCEEDINGS \$			
Ist class or air (\$20 U.S., Canada, Mexico; \$40 elsewhere):			PROCEEDINGS \$		

PAYMENT

METHOD (circle): CHECK

IECK MONEY ORDER CREDIT CARD

Enter Total Amount at end of address field.

BANK TRANSFER

Prepayment is necessary; invoices are available on request. The U.S. dollar price is definitive when paying in other currencies, although rounding off is appropriate. Checks and money orders should be made out to the Association for Computation Linguistics (or to ACL). ALL CREDIT CARD PAYMENTS MUST BE MADE TO THE ACL OFFICE IN THE USA; ELECTRONIC SUBMISSIONS ARE PREFERRED; send the information above from Name through Total Payment, with an identification of the items for which payment is being made, to acl@bellcore.com; or request a form by email. Other payments can be made to one of the addresses below, as follows:

- To the ACL office (address below) in the USA; mail this dues statement with credit card information or with a check or money order payable to ACL. PAYMENTS OTHER THAN BY CREDIT CARD MUST BE MADE IN U.S. DOLLARS, DRAWN ON A U.S. BANK OR IN U.S. OR CANADIAN DOLLARS (CALCULATED AT THE CURRENT EXCHANGE RATE), DRAWN ON A CANADIAN BANK.
- 2. To Rosner in Europe; mail this dues statement with a check or money order in Swiss francs or the equivalent in your local currency on the day the check is written, payable to ACL. DO NOT MAKE CREDIT CARD PAYMENTS THROUGH EUROPE. Make sure that the check or money order is payable in Switzerland or France. DO NOT ISSUE A CHECK OR MONEY ORDER IN U.S. DOLLARS UNLESS IT IS DRAWN ON A U.S. BANK. Payment can also be made by bank transfer to ACL account number 141.880.LAV at the Union Bank of Switzerland, 8 Rue du Rhone, CH-1211 Geneva 11, SWITZERLAND. Send Rosner a copy of the bank transfer as well as the dues statement. NOTE THAT EUROPEAN MEMBERS SHOULD PAY THROUGH ROSNER UNLESS THEY PAY BY CREDIT CARD OR HAVE A U.S. BANK ACCOUNT.
- 3. To Nagao in Japan; transfer an equivalent amount in yen on the day of payment to "Dia-ichi Kangyo Bank, Hyakumanben Branch; Ordinary Deposit, 476-1319944; Name: Keisangengogakkai Kaihi Nagao Makoto." Send Nagao a copy of the bank transfer. DO NOT MAKE CREDIT CARD PAYMENTS THROUGH JAPAN. Also mail this dues statement to the ACL office together with a copy of the bank transfer. NOTE THAT THE DUES STATEMENT MUST BE SENT TO THE ACL OFFICE TO BE PROPERLY RECORDED.

Assoc. for Computational Linguistics P.O. Box 6090 Somerset, NJ 08875, USA acl@bellcore.com (until further notice) (908) 873-3893 phone

Dr. Michael Rosner (ACL) IDSIA Corso Elvezia 36 CH-6900 Lugano, SWITZERLAND +41-91-22-88-81 phone; 89-94 fax mike@idsia.ch Prof. Makoto Nagao (ACL) Electrical Engineering Kyoto University Yoshida, Sakyo, Kyoto, JAPAN +81-75-753-5344 phone; 751-1576 fax nagao@pine.kuee.kyoto-u.ac.jp

[Nov. 1994, Kathleen McKeown, ACL Secretary / Treasurer]

Guidelines for Submissions

Manuscripts for **Computational Linguistics** should be submitted on letter-size paper (8.5 by 11 inches, or A4), double-spaced throughout, including footnotes and references. The paper should begin with an informative abstract of approximately 150–250 words. Manuscripts must be written in English. Contact the editor regarding the possibility of electronic submission.

Submissions may be made in any of the following categories:

Papers: This category includes contributions that report significant new research results in computational linguistics or that provide critical reviews of the literature on a particular topic. The length of a paper depends on its content, but it is suggested that manuscripts be limited to forty double-spaced pages. That is the equivalent of thirty journal pages. Each paper is fully refereed, being read by at least two members of the editorial board and usually by an additional expert in the particular subject area. The submission of an article to CL for refereeing means that the author certifies the manuscript is not copyrighted; nor has it been published or submitted for publication to another refereed journal. If any version of the paper has appeared, or will appear, in a non-refereed publication, the details of such publication must be made known to the Editor at the time of submission. The final version of a paper tentatively accepted for publication must be accompanied by a Copyright Transfer Agreement signed by all of the authors or, in the case of a "work for hire," by the employer. This written transfer is necessary under the 1978 U.S. Copyright law.

Letters to the Editor: This category includes statements of opinion on issues relevant to the readership. The Editor and the editorial board will evaluate the appropriateness of these contributions for inclusion.

Five copies of papers or three copies of letters should be sent to:

Julia Hirschberg, CL Editor AT&T Bell Laboratories 600 Mountain Avenue, 2C-409 Murray Hill, NJ 07974, USA (+1 908) 582-7496; acl@research.att.com

Squibs and Discussions: This category includes short articles reporting technical results, discussions of results, algorithms, or new computational linguistic data or tools of interest to the journal readership. Submissions should generally not exceed eight double-spaced pages and should be submitted to:

James Pustejovsky, CL Squibs and Discussions Co-Editor Brandeis University Computer Science Department Waltham, MA 02254, USA (+1 617) 736-2709; jamesp@cs.brandeis.edu

Book Section: Anyone interested in reviewing a book, or in suggesting a book for review, should contact the Book Review Editor; publishers may also submit copies of books for review directly to:

Graeme Hirst, CL Book Review Editor University of Toronto Department of Computer Science Toronto, CANADA M5S 1A4 (+1 416) 978-8747; gh@cs.toronto.edu

The FINITE STRING: Send (a) summaries of research in progress — of particular interest would be perspectives on the activities at a particular institution; (b) announcements of meetings of potential interest to the membership; and (c) personal notes (e.g., honors, moving, changes in status) to The FINITE STRING Editor. Time-sensitive material should be received by the first day of the second month of each quarter to appear in the next issue. Submissions (where possible in electronic form) should be sent to:

Ralph Weischedel, FINITE STRING Editor BBN Systems & Technologies 10 Moulton Street Cambridge, MA 02138, USA (+1 617) 873–3496; weischedel@bbn.com Founded in 1962, the Association for Computational Linguistics (ACL) is the primary scientific and professional society for natural language processing research and applications. A European chapter was established in 1982. Besides publishing Computational Linguistics, the ACL holds international meetings (annually in North America, biennially in Europe) where the state-of-the-art in natural language processing research and development is presented. Recently, special interest groups on the Mathematics of Language, the Lexicon, Parsing, Generation, Computational Phonology, and Multimedia Language Processing have been formed; others are likely to be added.

President (1995)

Douglas E. Appelt Artificial Intelligence Center SRI International

333 Ravenswood Ave. Menlo Park, CA 94025

(+1 415) 859-6150; appelt@ai.sri.com

Vice-President (1995)

Oliviero Stock

IRST 38050 Povo (Trento)

ITALY

(+1 39 461) 314517; stock@irst.it

(+1 39 461) 314591 -fax

Secretary-Treasurer (1995–98)

Kathleen McKeown

Columbia University

Department of Computer Science 450 Computer Science Building New York, NY 10027, USA

(+1 212) 939-7118; acl@cs.columbia.edu

(+1 212) 666-0140 -fax

Priscilla Rasmussen

Association for Computational Linguistics (ACL)

P.O. Box 6090

Somerset, NJ 08875, USA

Executive Committee

Office Manager (1995–98)

(1993-95)(1994-96)

(1995-97)Journal Editor President, Vice-President, Secretary-Treasurer Stuart Shieber, Harvard University

and Chair of the ACL European Chapter

Eduard Hovy, USC/Information Sciences Institute

Kathleen McCoy, University of Delaware Julia Hirschberg, AT&T Bell Laboratories

Nominating Committee

(1993 - 95)(1994-96)(1995-97)

Kathleen McKeown, Columbia University Fernando Pereira, AT&T Bell Laboratories Karen Sparck Jones, University of Cambridge

ACL EUROPEAN CHAPTER OFFICIALS

Chair (1994-95)

Erhard Hinrichs

Universität Tübingen

Seminar für Sprachwissenschaft Abt. Computerlinguistik

Kleine Wilhelmstr. 113 D-72074 Tuebingen, Germany

(+49) 7071 29 42 79; eh@sfs.nphil.uni-tuebingen.de

Secretary (1994-95)

Susan Armstrong

ISSCO Université de Genève

54 route des Acacias CH-1227 Geneve SWITZERLAND

(+41 22) 705-7113; susan@divsun.unige.ch

Treasurer (1982-95)

Michael Rosner

IDSIA

Corso Elvezia 36

CH-6900 Lugano, SWITZERLAND (+41 91) 22 88 81; mike@idsia.ch

Advisory Committee (1993-94)

Chair, Secretary, Treasurer and Anne Abeillé, *Université de Paris 8*

Jan Hajik, Charles University

John Nerbonne, University of Groningen

Nicoletta Calzolari (Chair), Instituto di Linguistica Computazionale del CNR

Christian Rohrer, Universität Stuttgart Ewan Klein, University of Edinburgh Leonid Iomdin, Russian Academy of Sciences

Nominating Committee (1993–96)