

# CENTER FOR RESEARCH IN LANGUAGE

---

January 1989

Vol. 3, No. 3

---

The monthly newsletter of the Center for Research in Language, University of California, San Diego, La Jolla CA 92093. (619) 534-2536; electronic mail: *crl@amos.ling.ucsd.edu*

## CONTENTS

### Announcements:

Center for Research in Language  
UCSD Department of Cognitive Science

## EDITOR'S NOTE

This newsletter is produced and distributed by the **CENTER FOR RESEARCH IN LANGUAGE**, a research center at the University of California, San Diego, which unites the efforts of researchers in such disciplines as Linguistics, Cognitive Science, Psychology, Computer Science, Communication, Sociology, and Philosophy, all of whom share an interest in language. We regularly feature papers related to language and cognition (1 - 10 pages, sent via email) and welcome response from friends and colleagues at UCSD as well as other institutions. Please forward correspondence to:

*Teenie Matlock, Editor*  
Center for Research in Language, C-008  
University of California, San Diego 92093  
Telephone: (619) 534-2536  
Email: *crl@amos.ling.ucsd.edu*

## SUBSCRIPTION INFORMATION

If you are currently receiving a hardcopy of the newsletter only and have an email address to which the newsletter can be sent, please forward that information to CRL.

Can we send you the email version only to save printing and mailing costs? If you require a hardcopy in addition, please request it and we will be happy to send you one.

If you require the unformatted nroff version of the newsletter, please request it from CRL after you have received the current regular formatted version.

If you know of others who would be interested in receiving the newsletter, please forward the email or postal mailing address to CRL. Thank you.

## BACK ISSUES

Back issues of this newsletter are available from **CRL** in hard copy as well as soft copy form. Papers featured in previous issues include the following:

*The Cognitive Perspective***Ronald W. Langacker**

Department of Linguistics, UCSD

vol. 1, no. 3, February 1987

*Toward Connectionist Semantics***Garrison Cottrell**

Institute for Cognitive Science, UCSD

vol. 1, no. 4, May 1987

*Dimensions of Ambiguity***Peter Norvig**

Computer Science, UC Berkeley

vol. 1, no. 6, July 1987

*Where is Chomsky's Bottleneck?***S.-Y. Kuroda**

Department of Linguistics, UCSD

vol. 1, no. 7, September 1987

(2nd printing of paper in no. 5, vol. 1)

*Transitivity and the Lexicon***Sally Rice**

Department of Linguistics, UCSD

vol. 2, no. 2, December 1987

*Formal Semantics, Pragmatics,  
and Situated Meaning***Aaron Cicourel**

Department of Sociology, UCSD

vol. 2, no. 3, January 1988

*Rules and Regularities in the  
Acquisition of the English Past Tense***Virginia Marchman**

Department of Psychology, UC Berkeley

vol. 2, no. 4, April 1988

*A Geometric Conception of Grammar***S.-Y. Kuroda**

Department of Linguistics, UCSD

vol. 2, no. 5, June 1988

*Harris and the Reality of Language***S.-Y. Kuroda**

Department of Linguistics, UCSD

vol. 3, no. 1, September 1988

*A Connectionist Perspective on Prosodic Structure***Mary Hare**, Dept. of Linguistics, UCSD**David Corina**, Dept. of Psychology, UCSD**Gary Cottrell**, Dept. of Computer Science, UCSD

vol. 3, no. 2, November, 1988

• **RESEARCH AND TRAINING PROGRAM IN NEURAL MODELLING FOR  
DEVELOPMENTAL PSYCHOLOGISTS** •

*Center for Research in Language  
University of California, San Diego  
La Jolla, California 92093*

The Center for Research in Language at UCSD has just obtained a pilot grant from the John D. and Catherine T. MacArthur Foundation, to provide 5 - 10 developmental psychologists at any level (dissertation students through senior investigators) with short-term training in neural computation. The program has two goals:

- (1) To encourage developmental psychologists in target interest areas (speech, language, early visual-motor and cognitive development, future oriented processes) to begin making use of connectionist modelling as a tool for evaluating theories of learning and change;
- (2) To encourage greater use of realistic developmental data in the connectionist enterprise.

Our experience at UCSD suggests that a well-prepared and computer literate developmental psychologist can learn to make productive use of neural modelling techniques in a relatively short period of time, i.e. 2 weeks to 3 months, depending on level of interest and prior experience. Applicants may request training periods in this range at any point from 9/89 through 8/90. Depending on the trainee's needs and resources, we will provide (1) lodging at UCSD, (2) travel (in some cases), (3) access to SUN and VAX workstations with all necessary software, and (4) hourly services of an individual programmer/tutor who will supervise the trainee's progress through self-paced learning materials while assisting in the implementation of the trainee's proposed developmental project. Trainees are also welcome to attend seminars and workshops, and to consult with the relatively large number of faculty involved in connectionist modelling at UCSD.

Applicants are asked to submit 5 - 10 page proposals outlining a specific modelling project in a well-defined domain of developmental psychology. Criteria for evaluating proposals will include (1) the scientific merit and feasibility of the project itself (2) the applicant's computer sophistication and probability of success with short term training, (3) the probability that the applicant can and will continue working at the interface between neural modelling and developmental psychology (including access to adequate computer facilities at the applicant's home site). Applicants should indicate the preferred duration and starting date for the training program.

Applications should be submitted to Jeff Elman, Director, Center for Research in Language, University of California, San Diego, La Jolla, Ca. 92093. For further information, contact Jeff Elman (619-534-1147) or Elizabeth Bates (619-534-3007). Email inquiries may be sent to [elman@amos.ling.ucsd.edu](mailto:elman@amos.ling.ucsd.edu) or [bates@amos.ling.ucsd.edu](mailto:bates@amos.ling.ucsd.edu).

**ASSISTANT PROFESSOR  
COGNITIVE SCIENCE  
UNIVERSITY OF CALIFORNIA, SAN DIEGO**

The Department of Cognitive Science at UCSD expects to receive permission to hire one person for a tenure-track position at the Assistant Professor level. The Department takes a broadly based approach to the study of cognition, including its neurological basis, in individuals and social groups, and machine intelligence. We seek someone whose interests cut across conventional disciplines. Interests in theory, computational modeling (especially PDP), or applications are encouraged.

Candidates should send a vita, reprints, a short letter describing their background and interests, and names and addresses of at least three references to:

Search Committee  
Cognitive Science, C-015-CRL  
University of California, San Diego  
La Jolla, CA 92093

Applications must be received prior to March 15, 1989. Salary will be commensurate with experience and qualifications, and will be based upon UC pay schedules.

Women and minorities are especially encouraged to apply. The University of California, San Diego is an Affirmative Action/Equal Opportunity Employer.