

University of California San Diego  
La Jolla, California

August 13-16, 1979

# La Jolla Conference on Cognitive Science

## La Jolla Conference on Cognitive Science

	<b>Sunday August 12 1979</b>
4:00 PM-9:00 PM	<b>Registration</b> Tenaya Hall, Muir College
6:00 PM-11:00 PM	<b>Gathering—refreshments</b> Muir Main Dining Room
	<b>Monday August 13 1979</b>
8:00 AM-5:00 PM	<b>Registration</b> Mandeville Auditorium
8:55 AM-9:00 AM	<b>Welcome</b> Mandeville Auditorium DONALD A. NORMAN  Session Chair GEORGE MANDLER
9:00 AM-10:00 AM	<b>Herbert Simon</b> Carnegie-Mellon University <i>Cognitive Science: The Newest Science of Artificial Phenomena</i>
10:00 AM	<b>Coffee Break</b>
10:30 AM-11:30 AM	<b>Norman Geschwind</b> Harvard Medical School, Boston <i>Neurological Knowledge and Complex Behavior</i>

12:00 PM-1:00 PM

**Monday  
August 13  
1979**

*Time for lunch*

Session Chair  
DONALD A. NORMAN

1:00 PM-2:00 PM

**Phillip Johnson-Laird**  
University of Sussex

*The Role of Mental Models in  
Cognition*

2:30 PM-3:30 PM

**George Lakoff**  
University of California, Berkeley

*An Experientialist Perspective on  
Cognitive Science*

3:30 PM

**Coffee Break**

4:00 PM-5:00 PM

**Marvin Minsky**  
Massachusetts Institute of Technology

*K-Lines: A Theory of Memory*

6:00 PM

**Mexican Buffet**  
Muir Main Dining Room

8:30 PM

**Business meeting:**  
Cognitive Science Society  
Room 1110  
Psychology/Linguistics Building

8:30 PM

**Gathering**  
Muir Main Dining Room

**Tuesday  
August 14  
1979**

9:00 AM-12:00 PM

Symposium  
Mandeville Auditorium

***Cognitive Science and  
Education***

*Organizer—ALLAN COLLINS*  
Bolt Beranek and Newman

*JOHN ANDERSON*  
Carnegie-Mellon University

*JOHN SEELY BROWN*  
Xerox Palo Alto Research Center

*IRA GOLDSTEIN*  
Xerox Palo Alto Research Center

*JAMES GREENO*  
University of Pittsburgh

*ALBERT STEVENS*  
Bolt Beranek and Newman

12:00 PM-1:00 PM

*Time for lunch*

**Tuesday  
August 14  
1979**

1:00 PM-4:00 PM

Symposium  
Mandeville Auditorium

***Psychology of Categorization***

*Organizer—GORDON BOWER*  
Stanford University

*DOUG MEDIN*  
University of Illinois

*ANDREW ORTONY*  
University of Illinois

*ELEANOR ROSCH*  
University of California, Berkeley

*ROGER N. SHEPARD*  
Stanford University

*AMOS TVERSKY*  
Stanford University

4:00 PM-6:30 PM

*Time for dinner*

6:30 PM-9:30 PM

Symposium  
Mandeville Auditorium

***Human Development***

*Organizer—JEAN M. MANDLER*  
University of California, San Diego

*ANN BROWN*  
University of Illinois

*ROCHEL GELMAN*  
University of Pennsylvania

*DAN SLOBIN*  
University of California, Berkeley

*ELIZABETH SPELKE*  
University of Pennsylvania

9:30 PM-11:30 PM

***Gathering***  
Muir Main Dining Room

**Wednesday  
August 15  
1979**

Mandeville Auditorium  
Session Chair:  
GEORGE MANDLER

9:00 AM-10:00 AM

**Allen Newell**  
**Carnegie-Mellon University**  
*The Knowledge Level and the  
Symbol Level*

10:00 AM

*Coffee Break*

10:30 AM-11:30 AM

**Donald A. Norman**  
**University of California, San Diego**  
*Twelve Issues for Cognitive Science*

12:00 PM-1:00 PM

*Time for lunch*

Session Chair:  
DONALD A. NORMAN

1:00 PM-2:00 PM

**Roger Schank**  
**Yale University**  
*Language and Memory*

2:30 PM-3:30 PM

**John Searle**  
**University of California, Berkeley**  
*Intention and Action*

3:30 PM

*Coffee Break*

4:00 PM-5:00 PM

**Terry Winograd**  
**Stanford University**  
*What does it mean to understand  
language?*

**Wednesday**  
**August 15**  
**1979**

5:00 PM-6:30 PM

*Time for dinner*

6:30 PM-9:30 PM

Symposium  
Mandeville Auditorium

### *Language Processing*

*Organizer*—DANIEL G. BOBROW  
Xerox Palo Alto Research Center

MARTIN KAY  
Xerox Palo Alto Research Center

MARK LIBERMAN  
Bell Telephone Laboratories  
Murray Hill

WILLIAM WOODS  
Bolt, Beranek and Newman

9:30 PM-11:30 PM

*Gathering*  
*Muir Main Dining Room*

9:00 AM-12:00 PM

**Thursday**  
**August 16**  
**1979**

Symposium  
Mandeville Auditorium

### *Belief Systems*

*Co-organizer*—ROBERT P. ABELSON  
Yale University  
*Co-organizer*—EDWIN L. HUTCHINS  
University of California, San Diego

JAIME G. CARBONELL  
Carnegie-Mellon University

KENNETH COLBY  
University of California, Los Angeles

PAUL KAY  
University of California, Berkeley

NAOMI QUINN  
Duke University

12:00 PM-1:00 PM

*Time for lunch*

1:00 PM-4:00 PM

Symposium  
Mandeville Auditorium

### *Discourse*

*Organizer*—DAVID E. RUMELHART  
University of California, San Diego

AARON CICOUREL  
University of California, San Diego

WENDY LEHNERT  
Yale University

TEUN A. VAN DIJK  
University of Amsterdam

4:30 PM-5:30 PM

*Final gathering*  
Mandeville Auditorium

This Conference is sponsored by the Program in Cognitive Science at the University of California, San Diego, supported by a grant from the Alfred P. Sloan Foundation. The Conference marks the formation of the COGNITIVE SCIENCE SOCIETY and has been adopted by the Society as the first of an annual series of meetings. More information about the Society will be available at the registration desk during the meeting and at the business meeting of the Society.

Information is also available from:

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