



The 1997 meeting of SIG Chaos and Complexity Theory at AERA

NOTE: *The AERA program contains significant errors in regard to SIG Chaos and Complexity sessions. The following listings are correct. The membership meeting was listed twice but will only be held once. (on Wednesday) The discussion symposium "Chaos and Complexity Theory at the School Gate" was listed twice and will be held twice. (on both Wednesday and Thursday)*

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Symposium: [Chaos and Complexity as Methodological Tools](#)

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Symposium: Chaos and Complexity Theory at the School Gate: Unraveling the Potential of the New Sciences. [Wednesday session](#); [Thursday session](#)

Multiple SIG Paper Presentation: [Idlers and Artists: A Semiotic Walk Down Postmodern Lane](#)

Tuesday Session 18.13

4:05-6:05--Sheraton, Parlor C, Level 3

(SIG/Chaos and Complexity Theory--Symposium)

Chaos and Complexity as Methodological Tools

CHAIR *David Kirshner, Louisiana State University*

PARTICIPANTS

Complexity: Developing a More Useful Analytic Framework for Education. *John St. Julien, University of Illinois*

Chaos as a Methodological Tool: Exploring the Topology of Conversation and the Intentional Learning Process in Parent-Child Storybook Reading and the Philosophical Dialectics. *David B. Yaden, UC*

THE TUESDAY LISTING (20.24) OF THE MEMBERSHIP MEETING IS AN ERROR WHICH DUPLICATES THE CORRECT WEDNESDAY SESSION (31.33)

Tuesday Session 20.246:15-7:45--Hyatt, Burnham, West Tower, 3rd(Division B; SIG/Chaos and Complexity Theory--Membership Meeting)

Membership Meeting & Demonstration

PRESIDENT Robert Kahn, University of Missouri, Kansas City

Demonstration: Modified Poincare Maps: Tools for Analyzing Social Chaos

DEMONSTRATOR *Russel Marion, Clemson University*

Wednesday Session 23.06

**9:35-10:15--Sheraton, Sheraton Ballroom II, Level 4
(SIG/Chaos and Complexity Theory--Roundtables)**

Critical Issues in Chaos and Complexity Theory

TABLE 26 Looking at Chaotic Events Through Life Cycle Concepts of Organizations. *Whitney B. Berta, University of Toronto*

TABLE 27 Side-by-Side: A Condition for Self-Organization of Learning. *Kathleen Martin, Texas Christian University*

TABLE 28 Achievement Motivation as a Dynamical System. *Dan Rea, Georgia Southern University*

TABLE 29 Patterns in Chaos: Implications for Learning. *Sherrie B. Reynolds, Texas Christian University*

TABLE 30 Chaos in the Classroom: An Application of Chaos Theory. *JoAnn Trygestad, University of Minnesota*

TABLE 31 Attending to the Noise: Applying Chaos Theory to School Reform. *Richard D. Wertheimer, Pittsburgh Public Schools*

Wednesday Session 31.33

**6:15-7:45--Hyatt, DuSable, West Tower, 3rd
(Division B; SIG/Chaos and Complexity Theory--Membership Meeting)**

Membership Meeting & Demonstration

PRESIDENT Robert Kahn, University of Missouri, Kansas City

Demonstration: Modified Poincare Maps: Tools for Analyzing Social Chaos

DEMONSTRATOR *Russel Marion, Clemson University*

NOTE: *The program lists this session twice. To try and accommodate all those who would like to see the session it will be held at both times listed in the program. (See also: [session 42:02](#))*

Wednesday Session 28.54

**2:15-4:15--Hyatt, Field, West Tower, 3rd
(Division B; SIG/Chaos and Complexity Theory--Symposium)**

Chaos and Complexity Theory at the School Gate: Unraveling the Potential of the New Sciences

CHAIR *Rick Ginsberg, Colorado State University*

PARTICIPANTS

The New Sciences and Systemic Change. *Ali Carr, Penn State University*

The Analytics of Complexity: Beyond the Enlightenment or Back to the Future? *John St. Julien, University of Illinois*

Teaching in a Nonlinear Mode. *William Doll, Louisiana State University*

ESL Writing: Ideas as Fractals. *Robert Kahn, University of Missouri, Kansas City*

School Reform: Establishing Dialogic Communities as Self-Organizing Structures for Reflection, Critique, and Change. *Jayne Fleener, University of Oklahoma*

Schools as Complex Adaptive Systems: Implications for the Next Generation of Readers. *Lars Bjork, University of Kentucky*

NOTE: *The program lists this session twice. To try and accommodate all those who would like to see the session it will be held at both times listed in the program. (See also: [session 28:54](#))*

Thursday Session 42.024:05-6:05--Sheraton, Ontario, Level 2(Division B; SIG/Chaos and Complexity Theory--Symposium)

Chaos and Complexity Theory at the School Gate: Unraveling the Potential of the New Sciences

CHAIR *Rick Ginsberg, Colorado State University*

PARTICIPANTS

The New Sciences and Systemic Change. *Ali Carr, Penn State University*

The Analytics of Complexity: Beyond the Enlightenment or Back to the Future? *John St. Julien, University of Illinois*

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Schools as Complex Adaptive Systems: Implications for the Next Generation of Readers. *Lars Bjork, University of Kentucky*

Friday Session 52.07

2:15-4:15--Sheraton, Arkansas, Level 2

(SIG/Semiotics in Education; SIG/Arts and Learning; SIG/Chaos and Complexity Theory--Paper Presentation)

Idlers and Artists: A Semiotic Walk Down Postmodern Lane

CHAIR--Linda J. Rogers, *Kent State University*

PARTICIPANTS

Unthinking Gabachismo: Democracy and Ethics in Late Capitalism. *Peter McLaren, UCLA*

The Flaneur: Reading the Difference in the City. *Jana R. Noel, Montana State University*

The Aesthetic Turn: Education Through Romanticism(s) and the Postmodern. *Gae L. Mackwood, University of Alberta*

Abductive Logic: Primary Skill for a Postmodern Era. *Martin Ryder, Storage Technology Corporation*

DISCUSSANTS *Susan A. Tucker, University of South Alabama; Peter McLaren, UCLA*