

Pacific Northwest Association for College Physics

Thirty Seventh Conference

Lewis and Clark College

Portland, Oregon

Teaching about Chaos

Friday, April 7, 2000

Council Chambers, Templeton College Center

(Second Floor - East)

8:30-9:00 AM Registration
9:00-9:05 AM Introductions and Announcements
9:05-9:10 AM Welcome:

9:10-10:10 AM **JAMES GERHART MILLENNIAL LECTURE
THE CHAOTIC PENDULUM: SINGULAR AND
PLURAL**
Gregory Baker, Physics Department, Bryn Athyn College,
Bryn Athyn, PA 19009, GLBaker@newchurch.edu

10:10-10:25 AM **Contributed paper**

10:25-10:55 AM Break

10:55-11:55 AM **TEACHING OLD FLAMES NEW (CHAOTIC) TRICKS**
Michael Gorman, Physics Department, University of Houston,
Houston, TX 77204-5506, gorman@uh.edu

12:00-2:00 PM Lunch. Meeting of PNACP Directors: Templeton College Center
(Thayer 3 - Second Floor - Center)

2:00-2:15 PM **Contributed paper**

2:15-3:15 PM **CONTROLLING A CHAOTIC PATTERN OF
VORTICES**
Richard Wiener, Pacific University, Forest Grove, OR 97116
wiener@pacificu.edu

3:15-3:45 PM Break

3:45 - 4:45 PM **BEFORE THE BIG BANG**
Edward (Rocky) Kolb, Fermi National Accelerator Laboratory,
Batavia, IL 60510, rocky@rigoletto.fnal.gov

6:00 PM Social Hour and Dinner (7:00): Templeton College Center
(Stamm Dining Hall, Third Floor - South)
8:00 PM **THE PHYSICS OF WATER**
Michael Broide, Physics Department, Lewis and Clark College,
Portland, OR 97219, broide@lclark.edu

Saturday, April 8, 2000
Room 105, Miller Center for Humanities
(First Floor - Center)

9:00-9:15 AM Contributed Talk

9:15-10:15 AM	OPTICAL CHAOS: EXAMPLES AND APPLICATIONS Rajarshi Roy, Department of Physics, University of Maryland, College Park, MD 20742, rroy@glue.umd.edu
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10:15-10:45 AM Break

10:45-11:00 AM **PNACP Headline News**
Robert Gibbs, Physics Department, Eastern Washington University,
Cheney, WA 99004-2431, rgibbs@mail.ewu.edu

11:00 AM-12:00 PM	TEMPORAL MODULATION: AN EXPERIMENTAL PROBE OF SPATIOTEMPORAL CHAOS Michael Dennin, Physics Department, University of California - Irvine, Irvine, CA 92697-4575, mdennin@uci.edu
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12:00-2:00 PM Lunch Break: TYC21 Meeting: Olin Physics - Chemistry Building
Library Lounge (First Floor - South)

2:00-2:15 PM Contributed paper

2:15-3:15 PM	QUANTUM CHAOS VIA BOHMIAN DYNAMICS Osiel Bonfim, Physics Department, Reed College, Portland, OR 97202, Bonfim@directory.reed.edu
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