

CENTRAL PENNSYLVANIA SECTION
OF THE
AMERICAN ASSOCIATION OF PHYSICS TEACHERS,
SOCIETY OF PHYSICS STUDENTS, ZONE 3
JOINT MEETING
BLOOMSBURG UNIVERSITY

14-15 APRIL 1989

FRIDAY, 14 APRIL

1:00 - 5:00 Registration: Lobby, Hartline Science Center

2:15 - 2:30 Welcoming Remarks: Kuster Auditorium (Rm.134) Hartline

2:30 - 3:15 Invited Speaker: Julian D. Maynard
Professor of Physics

The Pennsylvania State University, University Park, PA

"Tuning Up a Quasi Crystal"

3:15 - 3:30 COFFEE: Lobby, Hartline

3:30 - 4:15 Invited Speaker: John Wright
Medical Physicist

Geisinger Medical Center, Danville, PA

"Medical Physics"

4:15 - 4:45 EXHIBITS

4:45 - 5:30 BUSINESS MEETING: CPS. Kuster Auditorium (Rm.134) Hartline

SPS. Rm 83 Hartline

5:30 - 6:30 SOCIAL HOUR: Alumni House

6:30 - 8:00 BANQUET: Scranton Commons *Dining Room D*

8:00 PUBLIC LECTURE : Kuster Auditorium (Rm.134) Hartline Science Center

Bernard L. Cohen
Professor of Physics
University of Pittsburgh, Pittsburgh, PA

"Risk and Risk Aversion in Our Society"

SATURDAY, 15 APRIL

8:45 - 10:00 AM Registration, Lobby Hartline Science Center

9:00 - 10:00 Session I Rm. 79, Hartline Science Center

9:00 - 9:15 "Vibrations of a Tennis Racket"
Ray L. Pfrogner, Juniata College

- 9:15 - 9:30 " Computer Based Model For Gravitationally Interactive Systems"
Bob Cassidy and W.M. Stuckey, Elizabethtown College
- 9:30 - 9:45 " Teaching Fluid Dynamics to Sophmores"
John W. Dooley, Millersville University
- 9:45 - 10:00 " The Effect of Relative Humidity on Radon Detection Efficiency of Charcoal Canisters"
Todd Baker and J. Luetzelschwab, Dickinson College
- 10:00-10:15 " Using Microcomputer-Based Laboratory Tools To Monitor Radon"
J.E. Mansell, Brook A. Miller, M. J. O'Connor and P.W. Laws
Dickinson College
- 10:15-10:45 Coffee Break:Ground Floor Lobby
- 10:45 - 12:00 Session II Rm. 79 Hartline
- 10:45-11:00 "Complex Fluid Viscosity"
D. Yu, Lehigh University
- 11:00-11:15 "A Favorite Optics Demonstration"
Frank Donahoe, Prof. Emeritus, Wilkes College
- 11:15-11:30 "The Effect of Quenched Random Impurities on the Critical Phenomena of a Two Dimensional Ising Ferromagnet "
Richard Ellmaker and M. Nolan, Millersville University
University
- 11:30-11:45 "The Dickinson Plasma"
Kathleen Donahue and K. Yasmin, Dickinson College
- 11:45-12:00 "Endloss Analyzer For Plasma Experiment"
Richard Loomis and K. Yasmin, Dickinson College
- 12:00 LUNCH. Kehr Student Union
Executive Committee Meeting