

**IEEE Meeting
Power Engineering Society
Princeton, New Jersey Chapter
September 13, 2001**

Geophysical Fluid Dynamics Lab Tour

The Geophysical Fluid Dynamics Laboratory (GFDL), located in Princeton New Jersey, goal is to understand and predict the earth's climate and weather, including the impact of human activities through research. GFDL conducts leading-edge research on many topics of great practical value, including weather and hurricane forecasts, El Niño prediction, stratospheric ozone depletion, and global warming.

Richard Wetherald will be giving the tour of GFDL where he has been working for the past 35 years and is currently focusing his efforts on Global Warming research. Richard graduated from the University of Michigan with a Master of Science and at present is a Senior Research Associate at GFDL. Other accomplishments include writing a chapter in the latest edition of the Encyclopedia of Science and Technology that is being published circa September of 2001. The source of this chapter is fifty or so papers dealing with various aspects of simulated climate change experiments, which Richard co-authored.

Overview of Tour

1. An overview of GFDL
 - International Panel For Climate Change (ICC), Reports on State of the Art
 - Cloud Feed Back, Moisture.
 - Changes in Sulfate Aerosol Loading Since 1977 Predictions
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2. Forecasting
 - Numerical Forecasting (5 Days)
 - Climate Forecasting (1000 years)
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3. Global Warming / Greenhouse Effect
 - Latest Studies
 - 1700 Studies
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The GFDL address is the intersection of U.S. Route 1 and Sayre Drive, Princeton, NJ and the tour will begin in the main lobby. Allow additional time to check in at security office. The tour will start at 5:30 in the evening and will be less than one hour in duration. Exact duration will be dependent on the level of questions and answers.

