

Virginia Military Institute's Chapter Of
The Society Of Physics Students

Report on the SPS Zone Four Meeting
(April 29th 2003)

The Virginia Military Institute's (VMI) chapter of the Society of Physics Students hosted the Zone Four SPS meeting at VMI on April 29th of this year with an attendance of 15 people. The meeting that took place in Lexington, VA consisted of student talks and posters, an invited speaker, attendance at the VMI parade, lunch and a tour of the VMI post. The SPS home office helped to finance the meeting with \$500 that helped to defray the cost of the meeting. The VMI chapter of the SPS incurred the remainder of the expenses that were paid for by private funds. What follows is a list of the presenters and the titles. Included are some pictures from the meeting.

**SPS Zone Meeting
Virginia Military Institute 2006
Lexington, VA 24450**

- 9:00-9:30** Arrival of guests; refreshments and poster setup
- 9:40** **Opening remarks**
- 9:50** Matt Burton (VMI)- "CCD's for You and Me"
- 10:05** Anna Belak (VA Tech)- "Shock-induced polarization in distilled water"
- 10:20** Greg Schwartz (VMI)- "Absolute Concentration of Molecular Oxygen from a RF Discharge in a Martian Simulate Gas"
- 10:35** Greg Quillen (VMI)- "Single Bubble Sonoluminescence"
- 11:00** **Parade**
- 11:50** **Walk to lunch in Downtown Lexington**
- 1:15** **Tour of VMI Post; VMI Q&A session**
- 2:15** Invited Talk: Dr. Leo Piilonen (VA Tech)- "Uranium Enrichment and Iran"
- 3:10** **Short Break**
- 3:15** Miguel Cervoni (VMI)- "The VMI Accelerator-Then and Now"
- 3:30** David Adams (VA Tech)- "How clouds grow far from equilibrium"
- 3:45** **Short Break**
- 4:15** David Erickson (VA Tech)- "The cryogenic Leidenfrost effect"
- 4:30** Dustin Schultz (VMI)- "Film Astrophotography"
- 4:45** **Closing Remarks;** Guests may walk around Post or Downtown Lexington

Poster Presentations:

Gregory Barnekoff (VMI) - Fabrication of Photovoltaic Devices with an Active Layer of MEH-PPV and Fullerenes

Kristen Hendershot and Reza Montazami (VA Tech), "Astrometry and Photometry in the Visible Spectrum".

The parade was an impressive event that everyone enjoyed and it showcased one of the many unique military aspects that permeates a cadet's lifestyle at VMI. The luncheon was held at *Salerno's* – a pizzeria restaurant within walking distance from the post. The buffet lunch included a six-foot long Italian sub sandwich, pizzas and drinks. The walking tour of the VMI post afterwards gave participants a change to learn about the history and unique qualities of VMI.

Figures: Images from the SPS Zone Four Meeting held at Virginia Military Institute on April 29th, 2006.

