The Physics First: Successes and Challenges presentation will focus on the successes and challenges of this re-sequence, including teacher professional development, supporting out-of-discipline teachers, teacher attitudes and beliefs, and student struggles and achievement.

**Workshop:**

“Computers in Physics Education”
Leader: Fred Goldberg, SDSU

**Invited Talk:**

“Physics for Elementary Teachers: Focusing on Students’ Ideas***
Fred Goldberg, SDSU

Physics for Elementary Teachers (PET) is a new 60-hour, one-semester course for prospective elementary teachers (or a 100-hour workshop for practicing elementary teachers). The main goals of the course are to help students develop a deep conceptual understanding of physics ideas, and to help them be aware of their own learning of those ideas, and to help them connect their own ideas with ideas that could be developed by children in elementary school. Students in the course spend class time engaged in small group and whole class discussions about making sense of physics phenomena observed with hands-on and MB&L experiments, and computer simulations. Web-based homework activities include using computer simulations to supplement classroom activities, and to observe and analyze video of elementary students grappling with ideas similar to those the college students have been learning during class. The course pedagogy builds on the previous CPU (“Constructing Physics Understanding”) project.

*Supported by NSF Grant ESI-0096856; co-PIs are Steve Robinson and Valerie Otero

**What’s the Order of Magnitude Question?**

“How many visible wavelength photons from Pluto enter your eye each second?” As always, you are free to interpret the question any way you like, but remember: The winner—i.e., the person with the median answer—gets first pick of the door prizes! Must be a member and must be present to win.

**What’s for lunch?**

The University cafeteria will be open for our use and there are off-campus options within easy walking distance.

**Show’n Tell!**

There’s still time available. Share a favorite demo with your friends.

Grateful thanks to our commercial supporters!
Sargent Welch/Cenco (Don Taves, + $50 gift certificate), Bedford / St. Martin’s, W.H. Freeman & Company and Worth Publishers (Robert Delmonte), Science Kit, (Tara Craig), Thomson Learning/Brooks-Cole, Prentice Hall (Dewhanne Nyihiv and/or Kirsten Pert, + ActivPhysics II CD-ROM), Vernier Software & Technology (+Gift Certificate), Addison Wesley/Benjamin Cummings (+Door Prize)

**Future meetings (Mark your calendars)**

AAPT Summer 2003, Madison, WI August 2-6, 2003
SCAAPT Fall 2003, TBA
How do I get to the meeting?
The University of La Verne is located in La Verne, about 20 miles east of Pasadena between the 10 and the 210 freeways.

From the 210, exit and go south on Fruit (which turns into White) and turn right on Third St.

From the 10 exit and go north on Fairplex to the L.A. County Fairgrounds. Turn left and follow Fairplex along the perimeter of the fairgrounds, continuing north on E St. past the traffic signal and turn left on Third St.

See maps at the ULV website www.ulv.edu

Parking is free on 3rd St. Don't park in the University lots but city lots are O.K.

The meeting will be held in La Fetra Hall, Mainiero Building on 3rd Street, between B and C Streets. The morning workshop will be in Mainiero Room #60.

Where do I pay?
Section dues are just $10/year and are our primary source of support; we receive nothing from the national organization. Members get final programs before the meeting and are eligible for great door prizes. See the SCAAPT website for how to sign up by mail or do it at the meeting. We need your support! Please help introduce us to your school or district colleagues. Bring a new teacher. Heck, bring an old one!

Subscribe to the SCAAPT email list
For members and nonmembers. (We think you'll join eventually!)
Send a message to
   listproc@listproc.csupomona.edu
with the single line:
   subscribe scaapt <name>
(replacing “<name>” with your first and last name!)

Submit a Change of Address Online
You may submit changes of address using the online form available via a link from the section website or directly using
http://www.csupomona.edu/~ajm/scaapt/ch_add.html

Visit the SCAAPT website For meeting information, a list of section officers and contacts, link to the national AAPT, etc.
http://www.csupomona.edu/~scaapt

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