

Pre-Service Educators Working Group (PSEWG)  
August 18, 2005: 1:30 Eastern (12:30 C / 11:30 M / 10:30P)  
Minutes of Community Telecon

Members present: Stephanie Shipp, Denise Smith, Cassandra Runyon, Stephanie Shipp, Stephanie Stockman, and Laurie Ruberg.

#### Update on participation in ATE and ASTE Conferences

- A PSEWG proposal was submitted to the Association of Teacher Educators (ATE) for the 2006 conference that will be convened in Atlanta in Feb 2006. Stephanie Shipp has spoken with Rudy Matai, President of the Organization, and he is receptive to working with the PSEWG. Information about the ATE annual conference is posted on the web at [http://www.ate1.org/pubs/ATE\\_2006\\_Annual\\_Me.cfm](http://www.ate1.org/pubs/ATE_2006_Annual_Me.cfm). So far, Stephanie Shipp and Greg Schultz are planning on attending this conference. Let Steph know if you also plan to attend the 2005 ATE meeting.
- A PSEWG proposal was submitted to the Association of Science Teacher Educators (ASTE) for their January meeting in Portland, OR. The ASTE web site (<http://aste.chem.pitt.edu/>) includes links to upcoming events and in some cases it's not too late to submit a proposal for fall 2005 regional ASTE conferences.

Primary topic of conversation - Astronomical Society of the Pacific Conference "Building Community: The Emerging EPO Profession" workshop, poster, and presentation. The preliminary program is available online at <http://www.astrosociety.org/events.html>. Content for the presentation, poster, and workshop sessions will be sent next week. At the bottom of this message is a copy of the draft agenda for the two-hour workshop that was reviewed and discussed during the telecon.

Cass suggested posting a list of assumptions about science education certification because the requirements and associated degrees awarded differ across institutions. Making the list of assumptions visible so that all groups can refer to them during the breakout sessions should help groups avoid getting diverted into discussions about certification variations across institutions.

Denise recommended that the topic listed as part of the workshop closing discussion about "What elements (skills, products, expertise) of our existing programs can be used in a menu of opportunities for preparing pre-service educators?" will be dealt with in more detail in the 30-minute presentation session. This session titled *NASA Earth and Space Science Resources for the Pre-Service Community* (Thursday 11-11:30) that focuses more specifically on

this topic of resources and tools. Denise mentioned that Anita Davis will participate in the 30-minute conference presentation along with Bonnie Eisenhower who will introduce the Amazing Space Web site. Laurie Ruberg will describe a broker/facilitator project in which education and science faculty work together to train teacher-prep students using MESSENGER materials.

Additional recommendations for workshop discussion group facilitators were discussed since a few of the slots are still open. Stephanie Stockman recommended Anna Aniakis, Space Science Educator, MD Space Grant Masters Certification program. Laurie recommended Chuck Brodell, Office Chief, Educational Flight Projects Office, Wallops Flight Facility. Laurie volunteered send the follow up invitation to both of these contacts since they're in MD area.

Stephanie Shipp asked if PSEWG community members would send photos of pre-service teachers in action that can be incorporated into the poster presentation.

Stephanie Stephanie Shipp mentioned that the PSEWG would be working on a strategic plan for 2006 in the near future.

Meeting adjourned at 3 p.m.

*Draft Agenda*

Workshop title: Astronomy and Space Science Education for Pre-Service Teachers. Location: Friday, 1-3, Location: Salon E

Assumed Audience: Primarily E/PO specialists from diverse venues (those who bridge science and education), mission representatives, scientists, some pre-service faculty.

Time		Topic
1:00		<p>Welcome</p> <ul style="list-style-type: none"><li>Introduction to Pre-Service Educators Working Group</li><li>Overview of the Workshop</li><li>Invitation to Participate - Why is pre-service educator preparation important?</li></ul> <p>Workshop Objectives</p> <ol style="list-style-type: none"><li>1) Introduce the audience to the PSEWG</li><li>2) Explore intersection of needs with areas of interest and expertise, as well as opportunities and programs that can be leveraged in the preparation of pre-service educators</li><li>3) Identify where participants or their community members can partner in the preparation of pre-service teachers</li><li>4) Enlist audience assistance in sharing these opportunities with their extended communities</li><li>5) Identify where the PSEWG can help in the facilitation of partnerships/programs</li></ol>
1:10	1ed. Rudy Matai	<u>Breakout Groups 1 and 2</u> : What do pre-service faculty need from scientists

	1sci. Anita K 2ed. Art Bowman 2sci.	and E/PO specialists to prepare teachers to teach science? What is the portfolio of resources (workshops, materials) we have to offer that meet pre-service needs? <b>How can the PSEWG help facilitate this?</b>
	1ed. NEED! ASTE Rep? 1sci. Julie Lutz  2ed. NEED! Univ. Rep 2sci. Bill Waller	<u>Break-out Groups 3 and 4:</u> What do scientist faculty need to know and do to support teacher preparation? What is happening in the colleges of education that will inform their role?  For example, what is the balance between emphasizing particular content versus process skills / inquiry?  What about standards and the need to connect content to them?
	1ed. NEED! ASTE Rep? 1sci. Marilyn Lindstrom  2ed. Jennifer Grier 2sci. Steph Stockman	<u>Break-out Groups 5 and 6:</u> Beyond formal classroom instruction, what is the direct role of the scientists / E/PO specialists in educator preparation? (e.g., coaching student teachers, internships, mentorships, research and education experiences, etc.). How these can be implemented? <b>How can the PSEWG help facilitate this?</b>
1:35		Participants move to a second topic; facilitators share earlier discussion, help the conversation to move forward
2:00		Break – Facilitators gather thoughts (quickly!)

2:05		Report-out from facilitators Key themes, key questions, areas for more information
2:20		Discussion <ul style="list-style-type: none"><li>• How do E/PO specialists bridge science content and pedagogy for science and education faculty and pre-service teachers?</li><li>• What lessons have we learned from pre- and in-service efforts that help us to bridge to pre-service?</li><li>• What elements (skills, products, expertise) of our existing programs can be used in a menu of opportunities for preparing pre-service educators?</li><li>• <b>What is the role of the PSEWG?</b></li></ul>