

PTRA Oversight Committee Report to Board WM20
Submitted by Jill Marshall, OC Chair

Highlights

1. AAPT WM20: There are 2 PTRA sessions at WM20 on Sunday. **Fields are Real**, is a new resource from PI and is being presented by Damian Pope from 1-2:30. **Helping First Year and Pre-Service Teachers** is from 3-4:30 and will have interactive stations that focus on Using Physics for the First Time.
2. PTRA Advanced Placement initiative: 1) Janie Head presented a session on AP at CAST (Texas Conference for the Advancement of Science Teaching), 2) there were AP sessions at the Summer 2019 Institute, and 3) Gay Stewart helped with a session at the UTeach Institute in June of 2019.
3. PTRA K-8 Initiative: 1) Ann Robinson and Dave Todd worked with a district in Georgia to provide a week-long workshop for teachers (grades 3-6) on Force & Motion. They contributed over \$2,000 to the Continuation fund as a result of those efforts. 2) Janie Head also presented a session at CAST on Newton's 3 laws and Karen Matsler has been helping a local middle school with the same content focus. Evelyn Restivo has donated some of her equipment to the middle school to give them the resources.
4. PTRA Quantum Initiative: Several workshops and sessions have been offered on quantum including sessions at the national AAPT. The *Quantum for All* proposal was submitted to NSF in the Conferences category. No decision for funding has been made.
5. PTRA outreach to sections/other organizations: (1) Elaine Gwinn is hosting a workshop at the Indiana Hoosier State Science Conference. Indiana has decided that all schools need STEM expertise. (2) Duane Merrell and Spencer Perry (a new PTRA) offered a workshop at the Idaho/Utah Section, (3) Janie Head and Kenric Davies, offered workshops at the Texas Section Fall meeting while Matsler and O'Kuma gave talks related to AAPT/PTRA efforts and partnerships (4) PTRA sponsored workshops were presented at the 2019 UTeach Annual Conference and the USEA (UTeach Alumni) conferences. A proposal has been submitted for the 2020 UTeach Combined Conference.
6. 2019 Summer Leadership Institute. The PTRA Leadership Institute was held July 24-28 (after SM19) at Capitol Reef National Park, UT, with a focus on astronomy. Activities included night-sky viewing in a spectacular artificial light free environment and developing appropriate lessons for grades K-12. In addition, Institute participants continued to refine AAPT's selection of workshop resources related to quantum phenomena. The Institute was at capacity with 31 PTRAs attending, including 5 new PTRA prospects. Unfortunately, there were about 10 active PTRAs who could not attend due to the timing. All summer leadership participants were required to pay a \$200 registration fee in addition to housing and transportation.
7. PTRA Strategic Plan. The appendix includes a revised draft of the PTRA Strategic Plan, which was presented to the AAPT board and Executive Office in Summer 2019. PTRA has undertaken steps to address the majority of the objectives. Others will be the focus of the PTRA OC W20 Meeting