

## Committee for Physics in the Two Year Colleges – AAPT 2009 Annual Report

### 1. Goals

#### *(a) 2009 goals and the extent to which they were reached*

- We had a goal to get AAPT Board approval and support to conduct a TYC Tandem Meeting associated with a summer meeting, and with the leadership of Dwain Desbien (as the TYC board rep and co-sponsor) and Paul D'Alessandris, we are well on our way to conducting that meeting in Portland. Lots of other folks have contributed ideas, support and services over the last several years, but huge Kudos to Dwain and Paul!
- We have a goal to make sure that the national AAPT community recognizes and respects the contributions that we TYC-ers make to physics teaching. Dwain certainly furthered that goal in his service on the board (and we're sure Marie will continue that tradition). The AAPT president, Alex Dickenson, will certainly be a great ambassador for TYC's.
- Programs such as the New Faculty Training Conference and others in the Physics Workshops for Two-Year College and High School Instructors have done a great job of meeting our goal of providing timely, meaningful professional development for new and veteran instructors, at the TYC and HS levels. Tom Okuma, Dwain Desbien, Scott Schultz, Todd Leif and many others deserve high praise for this on-going work.

#### *(b) 2010 goals*

- Conduct a successful TYC Tandem Meeting in Portland and set the groundwork for this to be a periodic event.
- Revamp the TYC Guidelines booklet and advocate for such items as lecture/lab parity with local administrations.
- Attract more TYC members to both local sections and the national organization (increase both meeting attendance and dues-paying membership at both levels).

#### *(c) Long-range goals*

Much of the conversation that will take place at upcoming cracker barrels, committee meetings, and the tandem meeting will focus on the question, "where do we go from here?", so the answer to this question will be more robust in next year's report.

### 2. Activities/Accomplishments in 2009

#### *(a) Committee meetings and communications*

We have a committee meeting each national meeting and at least 1 crackerbarrel per year that are typically attended by 15-30 people, half committee members, half friends. We use the AAPT CPTYC listserv to communicate frequently and have set up our own website to share ideas and documents (until the national community sites are up and operational).

#### *(b) Sessions and workshops at the W 2009 and Su 2009 meetings*

- Winter 2009
  - T04: Civic Engagement and Service Learning: The SENCER Project
  - W04: NTIPERS: Research-Based Conceptual Reasoning Tasks for Introductory Mechanics
  - W09: Cantilevers and Nanotech
  - IF Role of Community Colleges in Pre-High School Teacher Preparation
  - CC TYC Crackerbarrel
  - LA Project-Based Physics
  - LC Energy and the Environment
- Summer 2009
  - W11 NTIPERS: Research-Based Conceptual Reasoning Tasks for Introductory Mechanics
  - W14 Potpourri of Simulations
  - W26 Energy in the 21st Century
  - AA Panel Discussion on TYC Issues
  - AF Teaching Physics in Urban Schools
  - EA New Faculty Workshop for TYC Faculty
  - HF Innovations in the TYC Curriculum

All workshops and sessions were well attended and audience participation is generally lively (when speakers leave enough time therefore.)

#### *(c) Other committee activities and accomplishments*

We've offered to help with piloting new web features (especially the communities feature) and have done audio and video recording of plenaries and other general sessions with the goal of providing podcasts. We are still working

through some of those logistics from the Ann Arbor meeting and hope to have a solid solution that works for the AAPT community by the DC meeting.

*(d) Notable new ideas generated by the committee - N/A*

**3. Recommendations (if any) to the AAPT Executive Board, with rationale**

Either ask for fewer things in this report or allow more than one page as there is not enough space to do an adequate job, please. Thank you!