

THE DIALOG



The Newsletter of the Southern Ohio Section of the American Association of Physics Teachers

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Spring 2014 OFFICER ELECTIONS

During the Spring 2014 meeting, officers for the following positions will be elected:

- President Elect
- VP for Secondary Schools
- Section Representative

Each position is either a 3 year term or a 3 year commitment (President Elect serves subsequently as President and then Past President)

If you are interested in serving in any of these capacities OR if you would like to nominate someone for a position, please contact Lenore Horner, President of SOS-AAPT (Lenore.Horner@7Hills.org)

NOMINATE A FRIEND TODAY!!

OTHER Meetings

July 26 - 30, 2014 AAPT Summer Meeting - Minneapolis, MN
 Regular Abstract Submissions Close: March 3, 2014
 Late Abstract Submissions Close: May 16, 2014
<http://www.aapt.org/Conferences/sm2014/>
 Email: AAPT Programs and Conferences

SOS/AAPT SPRING 2014

Hosted by Bishop Hartley High School, 1285 Zettler Rd, Columbus, OH



Featured Speaker

*Aaron Titus
Highpoint University*

Saturday, March 15, 2014

NEW OFFICER ELECTIONS! NOMINATE YOURSELF OR A FRIEND!

- Come meet with your colleagues from Southern and Central Ohio!
- Pick up a few new ideas for your classroom and share a few of your own good ideas!
- There is still time to present a contributed paper or a "How I do it" demo! **SUBMIT AN ABSTRACT BY GOING TO THE REGISTRATION WEBSITE BELOW!**

REGISTER NOW AT:

<http://sosaapt.weebly.com/spring-2014---saturday-march-15-2014.html>

BRING YOUR FRIENDS - PLAN TO COME!

Research-Based Active Learning in Introductory Physics

NEW: Including RealTime Physics 3rd Edition, Clicker Interactive Lecture Demos and Video Analysis

Chautauqua Short Course

June 15-17, 2014, Portland, OR

Designed for those who teach introductory physics at universities, colleges and high schools. Graduate credit will be available.*

Instructors: Priscilla Laws, Dickinson College, David Sokoloff, University of Oregon, Ronald Thornton, Tufts University

This hands-on course is designed for those interested in making learning in their introductory course more active either within a traditional course structure (lectures, labs, and recitation hours), or by re-structuring their course (e.g., into a workshop or studio course).

Participants will be introduced to physics education research-validated strategies for each component of the introductory course such as Interactive Lecture Demonstrations (ILDs), RealTime Physics (RTP) labs, Activity Based Tutorials, Collaborative Problem-Solving Tutorials, Workshop Physics, and Physics with Video Analysis, along with strategies for analytic mathematical modeling. Some recent developments include the new electricity and magnetism labs in the 3rd Ed. of RTP, and ILDs using personal response systems (clickers) and interactive video analysis. The tools and software accompanying these active learning strategies are available for both Macintosh and Windows computers.

Results of studies on the effectiveness of these curricula will also be discussed. Participants will receive complimentary copies of the active learning curricula, along with Teaching Physics with the Physics Suite, a comprehensive book by E.F. Redish (University of Maryland) on strategies for implementing physics education research-based curricula. (The curricula are also available in the ABP High School E-dition--a more convenient, and inexpensive form for high school use.) Physics topics will be chosen from both semesters of the introductory physics course.

* Up to two hours of graduate credit will be available from the University of Oregon.

For more information and to register: <http://pages.uoregon.edu/sokoloff/CHAUT.htm> or contact David Sokoloff, Department of Physics, 1274 University of Oregon, Eugene, OR 97403-1274, E-mail: sokoloff@uoregon.edu, Phone: (541) 221-6543, Fax: (541) 346-5861.

Continuing Education Opportunity for Physics and Physical Science teachers to be offered at the University of Wisconsin - River Falls, in conjunction with AAPT's PTRA program.

This workshop will be of particular interest to teachers whose districts are already planning for the adoption of the Next Generation Science Standards (NGSS).

Forces and Interactions: NGSS for Physics and Physical Science Teachers
June 16-27, 2014 M-F 9:00 AM - 4:00 PM

The Physics department at the University of Wisconsin - River Falls and the American Association of Physics Teachers' PTRA program have provided in service teachers with high quality, in depth, and useful educational experiences for nearly 30 years. This two week workshop focuses on teaching Physics and Physical Science courses that help students meet and exceed the Next Generation Science Standards for Forces and Interactions. Emphasis will be on Physics content knowledge, active learning techniques, and engineering design applications specific to the NGSS. The course is jointly taught by university faculty and AAPT's Physics Teaching Resource Agents (PTRAs). The workshop may be taken as continuing education or to earn 3 graduate credits.

For more information and to register, please go to: www.uwrf.edu/PHYS/Summer.cfm

Please contact Lowell McCann (Lowell.McCann@uwrf.edu) with any questions about this workshop.

Marietta College Offers Rickey Physics Scholarship

Marietta College offers competitive, \$18,000 / year scholarships for students who major in physics. This investment reflects a significant commitment to fostering education in physics. Marietta's high quality physics program hosted within a liberal arts setting is dedicated to nurturing students in advising, teaching and mentoring relationships. For more information about the program including an application for a Rickey Physics Scholarship, please see the attachment sent with this newsletter.

Starting our 11th year!!! 2014 Ohio Physics and Chemistry Modeling Workshops

A collaboration of The Ohio State University, Columbus City Schools,
and New Albany Plain Local Schools

All Ohio Science Teachers Welcome to Apply!!!

- Based on the national award-winning, highly successful Modeling program.
- **Monday June 9 - Thursday June 26 (weekdays only)** and three follow-ups on Saturdays to be determined, all at New Albany High School

Participants Receive

- **4 hours of graduate credit** in physics/chemistry
- **Curricular and classroom materials** aimed at Ohio standards
- **Lunch** each workshop day, to "talk shop" with other teachers



Past Participants Say

"Opened my eyes to a new method of instruction"

"The best professional development activity I've been involved with in 20 years. It had the greatest impact on my teaching"

"Helped me really see how students learn best."

"Very worthwhile. I'm glad I made this commitment"

"The greatest teaching changing experience I have ever had."

Contact Dr. Kathy Harper (harper.217@osu.edu) 614-688-7835 for
details and application.

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For the latest SOS-AAPT information
please visit our website at:

<http://sosaapt.weebly.com/index.html>

Suggestions?

Questions?

Got an idea on how to improve the
section or ideas on how we can help
you?

**PLEASE CONTACT ANY ONE OF
THE SECTION OFFICERS!**

Contributions to The Dialog may be
sent to the Editor at
dotys@ohio.edu