

Tentative 08/09 Schedule

Updated information will be posted to www.slapt.org throughout the year. Share your contact information under the "Mailing List" link to receive periodic email updates.

August 23, 2008: Boating on Mark Twain Lake

Hosts: Gary Taylor, Jim Cibulka, Katy Chole; RSVP to gary.e.taylor@att.net
Join us for a relaxing day to catch up with everyone's summer activities.

September 20, 2008: Lab Practicum Workshop

Host: Gail Haynes
haynesgail@rockwood.k12.mo.us
Where: Eureka High School
Details on other side . . .

October 4, 2008: Six Flags for Teachers

Where: Six Flags, St. Louis
Presenters: Bill Brinkhorst, Rex Rice, Mark Schober
Curriculum materials at www.slapt.org

October 11, 2008: An Introduction to CASTLE Electric Circuits

Presenters: Katy Chole, Jim Cibulka
kchole@vdoh.org
Where: Villa Duchesne
Home-made electric circuit kits can also be purchased at the workshop. \$25 per kit, add \$10 to include a digital multimeter. Reserve your circuit kits with Jim Cibulka by September 15. jacibulka@gmail.com
Kit parts list on other side . . .

November 15, 2008: Teaching Electrostatics

Presenters: Rex and Debbie Rice
debrice@swbell.net
Where: Clayton High School

December 6, 2008: Electric and Magnetic Field Apparatus Make-n-Take Workshop

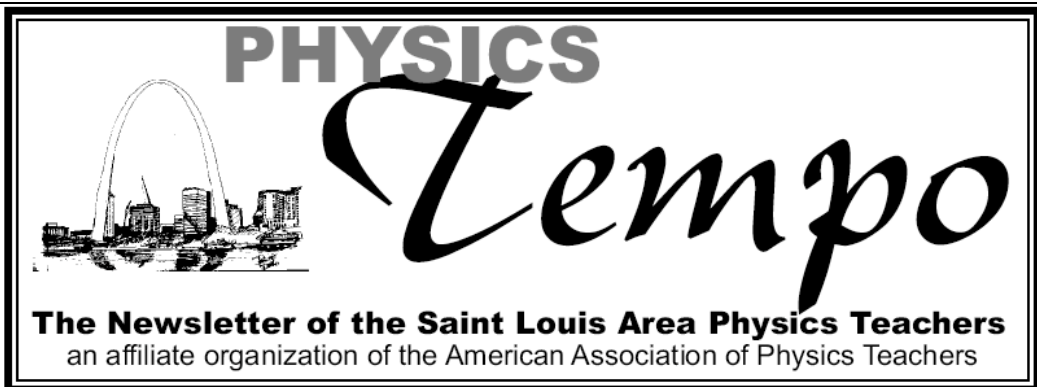
Presenter: Mark Schober,
mschober@jburroughs.org

Where: John Burroughs School
Do five E&M investigations with one inexpensive contraption. We'll run the labs and build the apparatus.



January 2009: Joint Chemistry-Physics Meeting

Details TBA



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Join the St. Louis Area Physics Teachers!

You are invited to join SLAPT, which sponsors a variety of content and pedagogy workshops, make-n'-take workshops, sharing sessions, and social activities that are hosted and led by teachers in the St. Louis area. SLAPT members form a network of mutual support as we benefit from one another's expertise in the challenging craft of physics teaching. Kirkwood teacher Jim Cibulka describes the upcoming year in his President's message below.

Join SLAPT by visiting www.slapt.org, and share your contact information under the "Mailing List" link. A few times each month, webmaster Mark Schober sends email updates about upcoming events, messages from SLAPT members, and announcements about community activities of interest to physics teachers. You will also find a number of teaching resources posted at the website, including curriculum materials, labs, equipment building directions, and complete resources for Six Flags' Physics day.

Please feel free to e-mail any officer or workshop leader should you have any questions. We look forward to meeting you during the coming year. We're a fun and sharing group of people!

SLAPT President's Welcome

Jim Cibulka, jacibulka@gmail.com, President – Saint Louis Area Physics Teachers



Greetings and welcome to another exciting year with the St. Louis Area Physics Teachers! I am honored and excited about helping lead our organization this year. We are going to be ambitious this year in who we are and what we do as an organization. Three themes for the year are:

- ❖ Developing closer ties with the American Association of Physics Teachers
- ❖ Making our professional development much more in-depth and on-going by offering three workshops in a row on the same subject (electricity and magnetism)
- ❖ Offering more purely social activities

Debbie Rice and Mark Schober are working on SLAPT gaining section status with the American Association of Physics Teachers. By gaining section status, we will be better integrated with the physics education community at large. SLAPT is one of the largest, most active physics education organizations in the nation; thus, our inclusion in AAPT will strengthen both organizations.

Debbie Rice met with members of the Missouri Association of Physics Teachers (MAPT) at their spring meeting in Joplin, and they were agreeable to selecting a region of zip codes that would be transferred from MAPT to SLAPT. Ultimately, we would like AAPT's new section structure to facilitate collaboration between SLAPT, the Missouri section, and the Illinois section. By gaining section status, we will have input at the AAPT national level.

Our October, November, and December meetings will be workshops based on electricity and magnetism. The first is an introduction to CASTLE (Capacitor-Aided System for Teaching and Learning Electricity) hosted at Villa Duchesne. If you have not had experience with CASTLE,

<p>February 12-16, 2009: AAPT National Meeting Where: Chicago! Travel Coordinator: Gary Taylor Let's hop the train to Chicago to attend workshops, presentations, and talk with AAPT leaders about cultivating dynamic physics teacher alliances like SLAPT!</p> <p>March 2009: Geometric Optics Presenter: Val Michael Where: Parkway Central High School Val will share PTRA materials to help shine some light on teaching geometric optics.</p> <p>April 24, 2009: Six Flags Math, Science, and Physics Day Where: Six Flags St. Louis</p> <p>April 25, 2009: SLAPT-SIUE Physics Contest Where: Southern Illinois University, Edwardsville Host: Tom Foster</p> <p>May 9, 2009: 09-10 Planning Meeting and Green-Building Tour Where: Alberici Enterprises Host: Gail Haynes</p>	<p>come find out for yourself why teachers who use it love it! Additionally, you can make-and-take circuit kits for your classroom, so remember to email your order in early! (<i>Details below</i>) In November, Debbie and Rex Rice's workshop at Clayton High School builds upon the CASTLE view of electric circuits with electrostatics materials developed by Robert Morse. Our final workshop in the series features an Electric and Magnetic Field Apparatus Make-and-Take Workshop. Mark Schober has designed an inexpensive device that can be used to observe many different E&M interactions. Though the workshops build upon one another, they also stand alone—allowing you to participate in any combination that fit your schedule and needs.</p> <p>While workshops are fun, they also provide a great opportunity to hang out and talk to the other members. With that in mind, we have planned two trips this year. On August 23rd, grab your swimsuits and beach towels and meet us all up at Mark Twain Lake for some swimming, boating, and good times. (<i>See note below!</i>) Email Gary Taylor soon, and remember: the more, the merrier! In February of 2009, we are going to hop on a train to Chicago to attend workshops, presentations, and talk with AAPT leaders about cultivating dynamic physics teacher alliances like SLAPT! The trip should be as much fun as the convention itself.</p> <p>While a lot is changing, we will continue to have perennial favorites such as the Six Flags workshop, the joint meeting with the American Chemical Society, a Physics Teacher Resource Agent (PTRA) workshop from Val Michael on Geometric Optics, a Lab Practicum workshop, the SIUE physics contest, and our spring planning meeting.</p> <p>Our veteran members' involvement and effort, combined with membership growth, have enabled diverse offerings of high quality. I hope to see many of you this year so that we can be even more ambitious in the future!</p>
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<p>Boating on Mark Twain Lake When: August 23, 2008 RSVP to Gary Taylor, gary.e.taylor@att.net Because of the heavy rains this summer, beaches and docks at the lake have been closed. Therefore, be sure to RSVP soon so that Gary can give you all the details and let you know of any last-minute changes.</p>	<p>Lab Practicum Workshop When: Saturday Sept. 20, 2008 Time: 8:30-noon Host: Gail Haynes Where: Eureka High School Directions: Take I-44 west to the 109/Eureka Exit (it is just before Six Flags). Turn north (right if you are coming from St. Louis) on 109. Eureka High School sits in a valley on the left, a short distance down 109. Signs will be posted to guide you to the workshop room.</p>
<p>Castle Circuit Kit Components: For \$25 you get a mostly complete kit: 3 bulb holders, 3 #48 bulbs, 5 #14 bulbs, 10 24-gauge test leads, 1 4D battery holder, 1 6-quart plastic box, 3 D-cell batteries, 1 magnetic compass, and a digital multimeter! Add \$25 for the recommended capacitor or wait until the workshop to discuss a cheaper, but pedagogically less desirable alternative.</p> <ul style="list-style-type: none"> • Email Jim Cibulka, jacibulka@gmail.com, to reserve your circuit kits by September 15. • SLAPT will provide invoices and receipts to help with school purchases. A parts list will also be provided for ordering replacement parts. 	<p>Because MODOT chose to make bridge repairs without checking SLAPT's calendar, last spring's Lab Practicum Workshop was not well attended. Lab practica evaluate student understanding by using and analyzing one of many experimental apparatus. Come to see how you can use lab practica in your classroom, and bring your own examples to share! If you are interested in sharing, please contact Gail Haynes at: haynesgail@rockwood.k12.mo.us</p>



St. Louis Area Physics Teachers
An Affiliate Organization of the American Association of Physics Teachers

Your best resource for physics teaching is the St. Louis Area Physics Teachers' community of collective knowledge, experience, and expertise. Become a part of SLAPT to inspire, be inspired, and improve the quality of physics education throughout the St. Louis Area. Go to www.slapt.org and click the mailing list link to receive e-mail updates about upcoming events.

Questions? Contact Jim Cibulka (president) jacibulka@gmail.com, Gene Bender (treasurer) gbender@desmet.org, or Mark Schober (web and e-mail communication) mschober@jburroughs.org.

2008-2009 SLAPT Officers	
President.....	Jim Cibulka
Past-President.....	Katy Chole
President-Elect.....	Gail Haynes
Treasurer.....	Gene Bender
Website.....	Mark Schober