

2001/2002 SLAPT Officers

Co-Presidents Michele Perrin
..... Gene Allard
Secretary-Treasurer Joe Martin
Web Page Michele Perrin
Newsletter Editor..... Rex Rice

Upcoming Events

SLAPT Meeting:

Physics Phlea Market

When: September 8, 2001
8:30 am - noon

Where: Vianney High School

Host: Gene Allard

Cost: Free

Details: See article on this page

Make and Take: Laser Ray Box

When: October 27, 2001, 8:00 am

Where: Florissant Valley
Community College

Host: Charles Burkhardt

Cost: \$20.00, Lunch included

Details: Participants will build a
blackboard optics device
using laser diodes.

Advance Registration Required by October 1, 2001!

See Flyer, This issue.

PTRA Workshop:

Topic To Be Announced

When: December 1, 2001,
8:00 am

Where: John Burroughs School

Host: Bill Brinkhorst

Cost: TBA

Details: A separate flyer will be
mailed for this workshop.
Advance Registration!

PTRA Workshop:

Ripple Tanks

When: February 9, 2002
8:00 am to noon

Where: Gateway Institute of
Technology

Host: Debbie Rice

Cost: \$20.00

Details: A separate flyer will be
mailed for this workshop.
Advance Registration!

See the SLAPT Web Page
[http://www.nerinxhs.org/
physics/SLAPT.html](http://www.nerinxhs.org/physics/SLAPT.html)

PHYSICS



Tempo

The Newsletter of the Saint Louis Area Physics Teachers
an affiliate organization of the American Association of Physics Teachers

Volume 12, No. 1

Fall, 2001

Welcome from the Incoming Co-President, Michele Perrin

I have been very fortunate in my ten years of teaching physics at Nerinx Hall. I've won grants, attended summer institutes, and had many of my students accepted into top ranked colleges. I attribute a large part of my success to the early contacts I made with the St Louis Association of Physics Teachers. So this year, as president, I would like to challenge all teachers who have been in the profession for five years or more to mentor a new teacher. How do you find these new teachers? Maybe there's a new face in your office or how about contacting your administration to find out if there are any new-hires in the district or get on the phone and call the neighboring high school to ask the name of their physics teacher. Invite him or her to our first meeting. Give them a copy of your favorite lab with your phone number and e-mail attached. I would also like to implement some ideas to improve attendance at our meetings, such as e-mail reminders, LabPro tips, cheap make-and-takes, and door prizes. If you have any other suggestions, please feel free to contact me. I'm looking forward to a great year.

Sincerely,

Michele Perrin

September SLAPT Meeting: "Physics Phlea Market" Saturday, September 8, 2001, Vianney High School

On Saturday, September 8, 2001, Gene Allard will host the September SLAPT meeting at Vianney High School. The meeting will start at 8:30 a.m. and will last until around noon.

Join your peers in a potpourri of physics ideas guaranteed to brighten up your year. Bring a lab or demo idea to share (with handouts if possible). The presentation format will be informal lab stations. We will have computer stations available for you to browse the Giancoli website, the Glenbrook South (Chicago) tutorial website, and several local high school web pages. There will be a "what is it?" table to help you identify those oddities in your equipment storeroom. We will award a door prize donated by Vernier Software. If you have any give-aways of your own, please bring them and add them to the door prize pile.

**Stay up to date on the latest news for
Physics Teachers in the Greater St. Louis Area.
Please send Rex Rice (rexrice@swbell.net)
your email address today!**

S.L.A.P.T. Make and Take Workshop Laser Ray Box for Blackboard Optics

Presented by: Charles Burkhardt
Cost: Approximately \$20.00*, Lunch Included
Location: St. Louis Community College
 at Florissant Valley, SM252 (The Physics Lab)
Date: Saturday, October 27, 2001, 8:00 a.m.

**Registration in Advance is Required!
 Registration Deadline: October 1, 2001
 Limited to the First 20 People who Register!**

I have a limited supply of inexpensive laser diodes. If there is too large a demand there may be a \$5.00 surcharge to cover the cost of more expensive lasers in the event my supply runs dry.

The signup deadline of October 1 is very firm due to limited parts availability. If there is enough interest, we will consider running another session.

If you would like to make a set of magnetic Plexiglass optics to use with the ray box, I would suggest that you purchase optics similar to the ScienceKit/Boreal Catalog set #68183-01. Alternatively, you may bring along any pieces you already have and we will glue magnetic mounts to them.

Please detach the form below and mail with a check for \$20.00 to:
 Charles Burkhardt
 Department of Physics
 St. Louis Community College at Florissant Valley
 3500 Pershall Road
 St. Louis, MO 63135-1499
 email: cburkhardt@stlcc.cc.mo.us



Enclosed is \$20.00 for the Laser Ray Box Make and Take Workshop.	
Name _____	
School _____	
Day Phone _____	Evening Phone _____
Email Address _____	

**2001/2002 SLAPT Calendar of Events
and other Events of Interest to Physics Teachers**

Sept 8: "Physics Phlea Market
Host: Gene Allard
Time: 8:30 a.m. to noon
Place: Vianney High School, Physics Lab
Details: Free admission. Join your peers in a
potpourri of physics ideas. Bring a lab or
demo idea to share (with handouts if
possible.) Door Prize donated by Vernier
Software.

Oct 1: Registration Deadline for Laser Ray Box
Make and Take workshop. Contact Charles
Burkhardt: cburkhardt@stlcc.cc.mo.us

Oct 27: Make and Take Workshop
Laser Ray Box for Blackboard Optics
Host: Charles Burkhardt
Time: 8:00 am
Place: St. Louis Community College
at Florissant Valley

Oct 27: Missouri Section Meeting, AAPT
Time: 9:00 a.m.
Place: Southeast Missouri State University
Cape Girardeau, MO

Dec 1: PTRAs Workshop: Topic TBA
Host: Bill Brinkhorst
Time: 8:00 a.m.
Place: John Burroughs School
Cost: TBA
Details: Details will follow in a separate mailing.
Advance Registration will be required.

Jan 19 American Association of Physics Teachers
-23: 2001 Winter Meeting
Place: Philadelphia, PA
Details: Visit AAPT website for details.
<http://www.aapt.org>

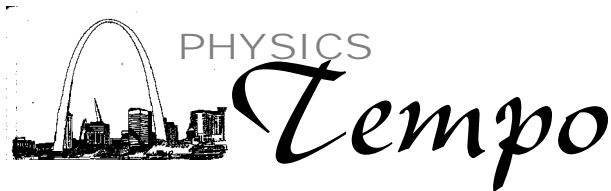
Feb 9: PTRAs Workshop: Ripple Tanks
Host: Debbie Rice
Time: 8:00 am to noon
Place: Gateway Institute of Technology
Cost: TBA
Details: Details will follow in a separate mailing.
Advance Registration will be required.

Mar 2: "Battle of the Demos"
Host: Kim Shaw
Time: 8:30 am to noon
Place: Southern Illinois University at Edwardsville
Details: This is our annual joint physics/chemistry
teachers' meeting. Bring a demo and handouts
to share.

Mar 27 National Science Teachers Association
-30: 2002 National Convention
Place: San Diego, CA
Details: Visit NSTA website for details
<http://www.nsta.org>

Apr 26: Physics Day at Six Flags
Host: Six Flags St. Louis
Time: TBA
Cost: TBA
Place: Six Flags St. Louis
Details: Once again, high-tech data collection
equipment will be available for free checkout
at a predetermined ride. This event gets
better each year. Plan to take your classes.

Aug 3-7: American Association of Physics Teacher
2002 Summer Meeting
Place: Boise, ID
Details: Visit AAPT website for details



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 an affiliate organization of the American Association of Physics Teachers

Rex Rice, Physics Tempo Editor
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**Stay up to date on the latest news for Physics Teachers in the Greater St. Louis Area.
 Please send Rex Rice (rexrice@swbell.net) your email address today!**

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<http://www.nerinxhs.org/physics/SLAPT.html>

The
 Physics Teacher's
 ROLODEX®



Physics Education Websites

**American Association of
 Physics Teachers:**
<http://www.aapt.org>

Glenbrook South Physics Page
<http://www.glenbrook.k12.il.us/gbssci/phys/phys.html>

**Modeling Instruction in High School
 Physics:**
<http://modeling.asu.edu>

Physlets
<http://webphysics.davidson.edu/Applets/Applets.html>

Visual Quantum Mechanics:
<http://phys.educ.ksu.edu>

**Saint Louis Area Physics Teachers
 MEMBERSHIP APPLICATION**

If you have enjoyed the articles or information that you receive in this newsletter, please consider joining the Saint Louis Area Physics Teachers.

Annual dues are \$10 and should be sent payable to: **Joe Bartin**
8429 Gannon
St. Louis , MO 63132
bartinj@gw.kirkwood.k12.mo.us

In addition to the newsletter, you will receive a buzz book of the members of the Saint Louis Area Physics Teachers.

Membership is open to anyone with an interest in improving the quality of the teaching of physics and physical science. You do not have to be a member of the group to participate in the activities, but membership dues make it possible to continue the activities of our organization. Thanks for your support.

If you are not on our mailing list, have information which needs to be corrected, or know of someone who is not on our mailing list but should be, please send the information below to Joe Bartin via regular mail or email at the address above. If you received this newsletter erroneously, please forward it to a science teacher who might find it useful.

Name			
Home Address		City	State Zip
Name of School			
School Address		City	State Zip
Home Phone	School Phone	email address	

I prefer to receive **Physics Tempo** in: Paper Form Electronic Form Both Forms
 I would like to receive my paper copy of **Physics Tempo** at: Home School