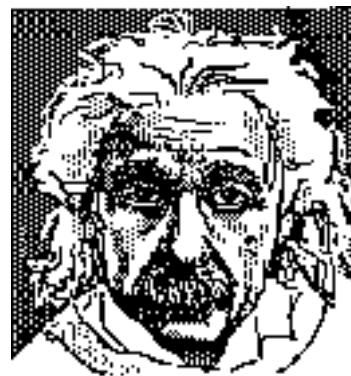


The Illinois Physics Teacher



**Joint Fall 2009 Meeting of the
Illinois Section of the AAPT and the
IL Association of Chemistry Teachers
October 16-17, 2009
Illinois Central College**

We are pleased to invite you to attend the joint meeting of the ISAAPT and the IACT. Please come to learn more about physics and chemistry, discover new tools and techniques for teaching, share your experiences via contributed presentations and Take Fives, and meet old and new friends.

Our host has scheduled three invited talks around the theme "Inquiry" as it applies to introductory science teaching.

"Using Scientific Inquiry and Nature of Science as Integrative Themes in Teaching Science," by Norman Lederman, Illinois Institute of Technology (Friday at 1:15)

"Science vs. 'Junk Science': Using the Inquiry Method to Tell and Teach the Difference," by Jeanette Madea, Senior Professor of Chemistry, Broward College (Banquet speaker Friday evening)

"Teaching Science at the Introductory Level with CALM (Computer Assisted Learning Method)," by Romualdo de Souza, Professor of Chemistry, Indiana University, Bloomington (Sat. at 11:00 am.)

The program starts Friday morning at 9:00 a.m., followed by a series of workshops:

- *Levels of Scientific Inquiry*, Carl Wenning,
- *Tasks to Promote Sense Making in General Physics and Chemistry*, Dave Maloney,
- *Inquiry Based Activities for Exploring the Physics of Sound and Music*, Andrew Morrison,
- *Inspire Your Chemistry Class with the TI-Nspire!*, Ray Lesniewski,
- *The Three Pigs Dilemma: Tearing Down Misconceptions and Building Sturdy Ones*, Larry Kellerman,
- *Accuracy and Precision Lab with Spectroscopy Demo*, Anthony Nelson,
- *Investigations in Electrostatics with Benjamin Franklin*, Rebecca Vieyra

Attendees are invited to present talks about active learning, physics teaching methods, demonstrations, research, or other teaching-related topics. Contributed presentations are scheduled on Friday afternoon and Saturday morning. Please submit your presentation using the online form. The length of the presentation is 15 minutes, including time for questions. The title of your presentation should be submitted by Friday, Oct. 2. The deadline for all of the information, including a one paragraph description, is Wednesday, Oct. 7. Use the form on two occasions, if necessary, to first submit the title, then later to submit the description (or abstract).

You are welcome to come at the last minute, and on-site registration will be available, but for banquet and lunch reservations, you must register online by October 9. For more information, maps and directions, registration forms, hotel information, and the program, see our website: www.isaapt.org

Future ISAAPT Meetings

- Spring 2010 – March 26-27 – "Green Physics", Blackburn College, Carlinville, hosted by Don Reid, who suggests "green"-themed talks, on energy, recycling, conservation, or (green) money-saving ideas. There will be tours of the new "green" science building, on their very nice campus (covered with green springtime foliage).
- Fall 2010 – Sherrard High School, Sherrard
- Spring 2011 – Eastern Illinois University Charleston
- Fall 2011 – Joliet Junior College, Joliet

If you are considering being a host for a future meeting, please contact Dave Sykes at dave.sykes@llcc.edu

Future Chicago section meetings

- Fall 2009 – Oct. 24 – Lewis University, Romeoville (hosted by Joe Kozminsky)
- Spring 2010 – Chicago State University
- See: <http://www.aapt-chicago.org>

Future national AAPT meetings

- Winter 2010 – Feb. 11-18 – Washington, DC (joint with APS)
- Summer 2010 – July 17-21 – Portland, Oregon
- Winter 2011 – Jan. 8-12 – Jacksonville, Florida
- See: <http://www.aapt.org/Events/meetings.cfm>

First APS "Prairie section" meeting

- Fall 2009 – Nov. 12-14 – Univ. of Iowa, Iowa City, IA
- See: <http://www.monmsci.net/~psaps/>

The Illinois Physics Teacher
Newsletter of the Illinois Section of the
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Diane Riendeau named Illinois High School Physics Teacher of 2009



Diane Riendeau receives the 2009 Outstanding High School Physics Teacher Award from Tom Foster. (Photo courtesy of Dave Renneke).

Call for Nominations for Outstanding High School Physics Teacher Award

Each school year the Illinois Section of AAPT is pleased to receive nominations for outstanding high school physics teachers in the state. Fellow teachers and school administrators who are aware of exceptional performance and enthusiastic student response are encouraged to fill out the online nomination form found on the ISAAPT website. The person who is nominated will be notified and asked to fill out the online candidate information form. Please note that the deadline for receiving nominations is December 1, 2009. The teacher who is selected will be notified and presented with the award at the spring 2010 meeting of the Section.

AAPT Mini Grant Received

The ISAAPT has just received a \$2,000 mini grant from the AAPT national office to support a new/crossover teachers' workshop designed for new high school physics teachers of less than 5 years experience as well as crossover science teachers from any discipline lacking suitable preparation to teach high school physics. Current planning is to have additional follow-up meetings, held each year during the autumn under the supervision of ISAAPT and during the spring under the supervision of CS-AAPT. Some workshops will be held jointly in a boundary region. We are now working to identify a PTRA and/or ComPADRE presenter to lead the workshop.

Call for Nominations for the 2010 Distinguished Service Citation

We invite and encourage you to nominate a fellow colleague for the 2010 Distinguished Service Citation to be presented at the Fall 2010 ISAAPT meeting. Please send your nomination by February 1, 2010, so that the Council might consider the candidates at the spring meeting. For guidelines, see the "Distinguished Service Citation" link on the ISAAPT website: www.isaapt.org

New physics organizations

The American Physical Society (APS) has organized the *Prairie Section of the APS*, a regional section including Illinois and several surrounding states. The first section meeting is scheduled for November 12 - 14, 2009, at the University of Iowa, Iowa City, Iowa. For more details see the website at <http://www.monmsci.net/~psaps/>

For instructors of the advanced physics lab at the undergraduate level, an organization called the *Advanced Laboratory Physics Association (ALPhA)* has been formed to address this issue specifically. For more information about ALPhA, see <http://www.advlab.org/> or <http://www.advlabs.aapt.org/>

Membership Listserv

A listserv is available for ISAAPT members and other Illinois physics teachers who are interested. If you are not on this list but wish to subscribe to it, send the following message to listserv@ilstu.edu, being certain to turn off your signature before sending: SUBSCRIBE isaapt-l

If you wish to unsubscribe from the ISAAPT membership listserv, send the following message to listserv@ilstu.edu, SIGNOFF isaapt-l

You need not include your name or e-mail address in either case; that will be picked up from your message header. If you have any difficulty, please check with the listserv manager, Carl Wenning, at wenning@phy.ilstu.edu.

UIUC Saturday Physics Honors Program

The Saturday Physics Honors Program, an outreach program for high school students, is also open to the general public. The lectures are free of charge and are scheduled from 10:15 a.m. to 11:30 a.m., unless indicated otherwise. Lectures are held in Room 141, Loomis Laboratory of Physics, 1110 West Green Street, Urbana, Illinois. For details see:

<http://physics.illinois.edu/outreach/honors/>

Minutes of the Spring 2009 ISAAPT Executive Council Meeting
Saturday, April 4, 2009
Illinois Wesleyan University, Bloomington, IL

Call to Order: President Tom Foster called the meeting to order at 7:05 am. Council Members present: President Elect Carl Wenning, Secretary/Treasurer Dave Sykes, Webmaster Dave Renneke, Newsletter Editor Brian Davies, Past President Deb Lojkutz, Doug Brandt, Rob Mason, Zak Knott, Ann Brandon, Tom Snyder, Tom Carter, Don Reid, Bill Hogan, Shane Hanson, Elisabeth Langford, and Andrew Morrison.

E-Action Item: A motion to approve the Council Minutes of the Fall Meeting at Illinois State University was made on 11/5/08 by Doug Brandt and seconded by Rob Mason on 11/05/08. After some time for e-discussion Tom Foster called for a vote on 11/7/08 and indicated on 11/17/08 that the motion had passed.

Secretary-Treasurer Report: Dave distributed the treasurer's report. He noted that the balance has increased about \$1000 during the last year due mainly to the extra money generated at the Fall 2008 meeting at Illinois State University. He added that the current balance in the Rossing Fund is \$30,079.15.

Section Representative Report: Zak reported that the AAPT is pushing hard to increase membership. He added that they have created an Associate Membership at a reduced cost and there are available "kickbacks" to sections for getting new members to the AAPT.

High School Representative Report: Ann reported the following:

1. The High School Physics Teacher workshops are oversubscribed.
2. The New High School Teacher Handbook is now out (AAPT press).
3. The committee is now working on the lab manual.

Publicity Chair, Section Editor, and Webmaster Report: Dave reported that he had sent out three e-mails concerning the current meeting. He added that he is now using statcounter.com to keep track of quantitative information concerning the ISAAPT website.

Newsletter Report: Brian reported that the Spring 2009 IPT was 6 pages and that he had 110 copies made. He added that he was able to take care of the cost of duplication and mailing.

Outstanding High School Physics Teacher Award: Tom Foster reported that Diane Riendeau was this year's recipient of the High School Physics Teacher Award and was recognized at Friday's banquet.

Committee for the Distinguished Service Citation Report: Dave reported that he and Bill Hogan comprised the Distinguished Service Citation Committee but that they had not yet met to discuss possible recipients. Dave added that they would have a nomination(s) for the council to consider prior to the Fall meeting.

Nominating Committee Report: Deb reported that she will be prepared to present a slate of nominations for council positions at the Fall meeting.

Current Meeting Update: Narendra Jaggi was not available to make a report on the current meeting.

Fall 2009 Meeting Update: In the absence of Ken Mellendorf, Carl reported that the Fall 2009 meeting at Illinois Central College would be a joint meeting with the Illinois Association of Chemistry Teachers.

New Business:

1. St. Louis Section. Tom Foster reported that the St. Louis Association of Physics Teachers was now an official AAPT Section.

2. AAPT Grant. Carl reported on the status of a \$2000 AAPT grant he is applying for that would initiate the creation of semi-annual workshops for new physics teachers (less than 5 years experience) and cross-over teachers. Carl added that he felt that the criterion for using the grant money was a little much for the ISAAPT so he solicited the CSAAPT to join us to organize and conduct the workshops. He stated that some of the grant money would be used to bring in PTRAs to help conduct the workshops and that the ISAAPT's Standing Committee on Physics Teacher Recruitment, Retention, and Development would help organize the workshops. It was the whole-hearted consensus of the council to support Carl in his quest to obtain said grant.

3. Student Research Symposium. During past council meetings discussion has arisen as to the appropriateness of conducting the Student Research Symposium (SRS) at ISAAPT meetings. After an initial suggestion by Dave Renneke to continue the SRS like in the past and after no objection to keeping with the SRS tradition was stated, the consensus of the council was to continue the SRS without change. As a side note, Dave Renneke thanked Doug and Rob for their significant service as SRS judges.

4. ISAAPT Dues. A motion to have the secretary/treasurer maintain the membership list for the purpose of keeping track of membership dues was made by Brian and seconded by Tom Carter. After some discussion a motion to table the motion until Dave Renneke could provide some needed information was made by Tom Carter and seconded by Bill Hogan. The motion passed.

5. Newsletter Distribution. A motion was made to rescind the motion concerning the methods of ITP distribution (that was passed at the Fall 2008 Council Meeting) by Brian Davies and seconded by Tom Carter. Brian stated that 10 people responded to a survey he distributed with the IPT to determine preferences of ITP delivery. Nine (9) indicated that they wanted a copy by e-mail only and one indicated that they wanted it by both methods. The motion passed.

6. Use of copyrighted information from ISAAPT Booklet. Carl Wenning stated that he would like to use some copyrighted information from the ISAAPT Booklet "Recruiting the Next Generation of Middle and High School Science Teachers" in a book that he is writing entitled Teaching High School Physics. A motion to allow Carl to use information from said Booklet was made by Bill Hogan and seconded by Ann Brandon. The motion passed without discussion.

7. ISTA electronic membership. Tom Foster reported that the Illinois Science Teachers Association (ISTA) is now offering to display membership information of other Science Teacher Organizations (like the ISAAPT) on their website. A motion to allow the ISTA to display ISAAPT membership information on their website was made by Tom Carter and seconded by Bill Hogan. The motion passed without discussion.

Adjournment: The Council meeting was adjourned at 8:23 am.

Faithfully submitted,

Dave Sykes, Secretary/Treasurer

Treasurer's Report

Spring Section Meeting – 2009

Date	Explanation	Income	Expense	Balance
10/02/2008	Balance forward			\$ 140.74
10/11/2008	Brian Davies, newsletter		(138.00)	2.74
10/14/2008	ISU meeting, deposit	6,458.00		6,460.74
10/22/2008	John Fulton, honorarium		(100.00)	6,360.74
10/22/2008	ISU meeting bills		(1972.06)	4,388.68
10/27/2008	IACT portion, ISU meeting		(370.00)	4,018.68
10/27/2008	Albert Grauer, speaker expenses		(1,617.37)	2,401.31
10/30/2008	Tom Carter, meeting registration	77.00		2,478.31
10/30/2008	Hansen, meeting registration	50.00		2,528.31
11/13/2008	IACT meeting expenses		(417.30)	2,111.01
11/13/2008	Moulton Hall room rental		(75.00)	2,036.01
11/13/2008	Bone Center service		(655.22)	1,380.79
1/14/2009	Carl Wenning, Guidebooks		(217.50)	1,163.29
3/06/2009	Carl Wenning, SRS plaques		(45.00)	1,118.29
4/04/2009	Ending balance			1,118.29
2/28/2009	Rossing Fund Balance			30,079.13