

# The Dialog

The Newsletter of the Southern Ohio Section of the American Association of  
Physics Teachers  
March, 2011

President: Kathy Koenig, Wright State University

President Elect: Eric Towers, Summit Country Day School

Past President: Jennifer Blue, Miami University

VP Colleges and Universities: Mark Fischer, College of Mt. St. Joseph

VP 2-Yr Colleges: Sandy Doty, Ohio University - Lancaster

VP High Schools: Kevin McChesney, Pickerington High School-Central

Secretary: Holly Lavendar,

Associate Secretary & Treasurer: James F. Sullivan, UC - College of Applied Science

Member at Large & Science Day Coordinator: Gordon J. Aubrecht II, OSU - Marion

Member at Large: Darwin Church, UC - Clermont

Member at Large: Elizabeth George, Wittenburg College

Section Rep.: Kathy Harper, OSU

Dialog Editor: Frank Huss, Cincinnati Observatory Center

## Inside This Issue

p. 2: Spring Meeting Information

p. 3: Section Representative's Report

p. 4-6: SOS/AAPT Revised Constitution

p.7: Future meetings info

p.8: Spring Meeting Registration Form

**Announcing**  
the  
**Spring 2011 Meeting**  
of the  
**Southern Ohio Section of the  
American Association of Physics  
Teachers (SOS/AAPT).**

**30 April 2011  
10 am – 3 pm**

Hosted by  
Pickerington High School - Central  
300 Opportunity Way  
Pickerington, Ohio

## Meeting Registration

Advanced registration must be received by 22 April 2011 if you order a lunch or present a contributed or "How I Do It" talk.

Registration fees are listed on the registration form.

**State Science Day** is Saturday May 7, 2011. Volunteers needed to help judge for SOS/AAPT sponsored physics prize. Contact Gordon Aubrecht at [aubrecht.1@osu.edu](mailto:aubrecht.1@osu.edu) if you are willing to be a judge.

## Items to be voted on by members at the Spring Meeting

- The revised constitution and by-laws for SOS/AAPT (see pages 4-6)
- Election of President Elect, Treasurer, and VP 2-Yr Colleges

# SOS/AAPT SPRING 2011 MEETING

Pickerington High School – Central  
300 Opportunity Way  
Pickerington, OH 43147  
Saturday, April 30, 2011  
10 am – 3 pm

- Come meet with your colleagues from Southern and Central Ohio!
- Pick up a few new ideas for your classroom!
- Share a few of your own good ideas!
- Have a chance to win fabulous prizes in our giveaway!

## Events

Although the exact schedule for the day is still being finalized, the events include

Workshops: *Modeling Instruction in Physics* (Mary Battershell Whalen, Olentangy HS  
Doug Forrest, Pickerington North HS)  
*LON-CAPA: A tool and its possible uses* (Mark Lucas, Ohio University)

Invited speaker: *Experiences in India on a Fulbright*  
Jason Cervenec, Thomas Worthington High School

Plenary speaker: Beth Cunningham, new executive officer of AAPT, (Presentation via Skype)

Talks: Contributed papers (undergrad and grad students highly encouraged to present!)  
“How I Do It” (5-minute presentations on neat ideas from the classroom)

## Registration (see attached form)

Must be received by Friday, April 22, 2011 to guarantee an ordered lunch.

Must be received by Friday, April 22, 2011 if you are giving a contributed or “How I Do It” talk.

Registration is FREE for all students and for high school teachers who are first-time attendees!!  
Contact Sandy Doty (dotys@ohio.edu) with any questions.

## Directions

**From Cincinnati:** I-71 North to exit 101 at I-270 toward Dayton; I-270 East toward Wheeling; Exit onto US-33 toward Lancaster; Turn left at Pickerington Rd.; Turn left at Opportunity Way. About 122 Miles

**From Columbus/Dayton:** I-70 East to Exit 112A for OH-256 toward Pickerington; turn left at West Columbus St, Take the 2<sup>nd</sup> right onto Lockville Rd/ Pickerington Rd, Turn right at Opportunity Way. About 20 miles from Columbus

**From Athens:** US-33 West, Turn right at Pickerington Rd, Turn left at Opportunity Way. About 61 miles.

# Section Representative's Report

Kathy Harper

The most recent national meeting was held January in Jacksonville, FL. In spite of the intense winter weather hitting the east coast causing a premature exodus from the meeting for some, the meeting was lively, with presentations, posters, and workshops addressing such topics as "Using the Wii for Fun and Physics", "Preparing Teacher Candidates to Teach the New AP Physics", and "Laboratories Rutherford Would Approve."

The national meetings coming in the near future are:

Summer 2011: Omaha, Nebraska, July 30 – August 3

Winter 2012: Ontario, California, February 4-8

Summer 2012: Philadelphia, Pennsylvania, July 28 – August 1

The biggest change at national AAPT is the welcoming of Beth Cunningham at the beginning of the new year as the new Executive Officer, succeeding Warren Hein. Beth has Ohio roots, doing all of her graduate and undergraduate work at Kent State. One of her goals is to strengthen the relationship between national AAPT and the sections. She hopes to be part of one of our 2011 section meetings, either in person or via Skype.

Another change that some of you may be noticing is that the dues structure for national membership is changing. The next time you renew your dues, the total will be calculated based on two factors: what type of institution you teach at and which journals you wish to receive. For the first time, it will be possible to receive an electronic version of the journals without also getting a paper copy in the mail. It appears that many of us will see our dues decrease slightly this year as a result.

For those of you who are not members of the national organization, AAPT has created a new associate membership option. Associate membership is available to those who are members of a section but have either never joined national AAPT or have let their national membership expire sometime prior to 2009. For \$36, associate members receive online access to *The Physics Teacher* and *Physics Today*, monthly issues of the *eNNOUNCER* (the association's electronic newsletter), discounts at the AAPT Physics Store, and reduced registration fees for national meetings. If you've been thinking about joining the national organization, but weren't sure what you would get out of it, consider this economic option, which is renewable.

As always, it is a privilege to serve as the section representative from an area as vibrant in physics education as Southern Ohio. I hope to see many of you at our upcoming section meeting in April.

# ***Constitution***

## **Southern Ohio Section, American Association of Physics Teachers**

### **Article I**

The name of this organization shall be the Southern Ohio Section of the American Association of Physics Teachers.

### **Article II**

The Southern Ohio Area is that portion of the state of Ohio south of the present location of US route 30, with the exceptions of the following counties: Athens, Belmont, Gallia, Jefferson, Lawrence, Meigs, Monroe, and Washington.

### **Article III**

The objectives of the organization shall be:

1. To facilitate the dissemination of information concerning physics and physics instruction to interested person and groups in the Southern Ohio Area.
2. To improve the teaching of physics at all levels.
3. To increase the general appreciation of the role of physics in our culture.

### **Article IV**

1. Regular membership shall be open to all members of the AAPT, to all persons engaged in the teaching of physics, and to other persons who will, in the judgment of the Executive Council, promote the goals of the section.
2. Sustaining membership shall be open to corporations and institutions which wish to further the work of the Section and whose admission is recognized as promoting the objectives of the section.
3. Applications for membership shall be sent to the Treasurer. Questions of eligibility shall be determined by the Executive Council of the Section.
4. Only regular members shall be eligible to vote and hold an office.
5. Only regular members residing or employed within the Southern Ohio Area shall be eligible to vote for Section Representative.

### **Article V**

1. Elected officers of the Section shall be as follows:
  - a. President
  - b. President-elect
  - c. Past-President
  - d. Secretary
  - e. Treasurer
  - f. Vice-President for Colleges and Universities
  - g. Vice-President for Two-Year Colleges
  - h. Vice-President for Secondary Schools
  - i. Section Representative to serve on the AAPT Council
2. Officers shall be elected at the annual meeting of the Section and shall serve until the next annual meeting at which their successors are elected. The President Elect serves one year in that office, becomes President for one year, and then becomes Past President for one year. The Secretary, Treasurer, Section Representative, and the Vice-Presidents (for Colleges and Universities, for Two-Year Colleges, and for Secondary Schools), shall each serve for terms of three (3) years, so arranged that two of these shall be elected each year. That is, the Vice-President for Secondary Schools and the Section Representative are elected the same year, the Vice-President for Two-Year Colleges and the Treasurer are elected during another year, and the Vice-President for Four-Year Colleges and the Secretary are elected during yet another year.
3. Vacancies may be filled by appointment by the Executive Council. Persons so appointed shall serve until the next annual meeting, and may be eligible for election to a full term. However, a person appointed to a vacancy in the position of President-Elect shall succeed to the presidency only upon election to that position.
4. The position of Section Representative may be held by a person who simultaneously holds another office within the Section. The Section Representative shall be a member in good standing of the American Association of Physics Teachers.

5. The position of Vice President for Colleges and Universities shall normally be filled by a person whose principal affiliation is with a four year college or university. The position of Vice-President for Two-Year Colleges shall normally be held by a person whose principal affiliation is with a two-year college. The position of Vice-President for Secondary Schools shall normally be filled by a person whose principal affiliation is with a secondary school.
6. The responsibilities of the Elected and Appointed Officers of the Section are defined as follows:
  - a. President – general Section governance, conducts elections, leads all meetings, organizes the Executive Council meeting
  - b. President-elect – engages in duties as assigned by the President, supports the planning of the fall and spring meetings
  - c. Past-president – serves as a guide to the President, leads meetings in the absence of the President, oversees the duties of the three (3) Vice-presidents
  - d. Secretary – produces and publishes all meeting minutes, maintains Section archives
  - e. Treasurer – collects dues, maintains bank accounts, maintains membership list and distributes list to board, files appropriate papers each year to maintain tax-exempt status
  - f. Vice-President for Colleges and Universities  
Vice-President for Two-Year Colleges  
Vice-President for Secondary Schools  
-the three (3) Vice-Presidents, along with the president-elect, will collectively share in the recruiting of new members and the planning of the fall and spring meetings; the latter includes the securing of host sites, coordinating with the host in recruiting speakers, and planning the program. One of these four will serve as the point of contact for each meeting.
  - g. Section Representative to serve on the AAPT Council – serves as the interface with national AAPT
  - h. Appointed positions and duties within the Section include:
    - Dialog editor – maintains distribution list, publishes Dialog twice a year at least 30 days prior to both the fall and spring meetings
    - Associate Secretary Treasurer – maintains backup copies of the following: minutes, archives, membership and distribution lists, and treasurer records. Has access to Section’s bank accounts in the event that the Treasurer is unable to perform designated duties.
    - Member-at-large – supports the section as needed
    - Other duties are assigned, as needed, and include maintaining the Section website, coordinating State Science Day, judging at State Science Day

#### **Article VI**

The Executive Council shall comprise the elected and appointed officers. The Executive Council shall have the power to govern the Section, subject to direction by the membership at the annual meeting or as may be determined by ballots at the discretion of the Executive Council at other times unless stated otherwise in the constitution or bylaws. Important matters shall require the affirmative vote of a majority of the members of the Executive Council.

#### **Article VII**

Affiliated groups may be established within the Section, provided their purposes do not conflict with the objectives of the Section.

1. To establish an Affiliated Group a petition, signed by at least five (5) members of the Section, is first presented to the President. This petition must, at a minimum, state the name and purpose of the proposed Affiliated Group. The Affiliated Group shall be established upon favorable majority vote of those Executive Council members present at an Executive Council meeting.
2. The leaders of the Affiliated Group shall given an annual report on the group’s activities to the President.
3. An Affiliated Group may be disaffiliated by the Executive Council by a vote of two-thirds (2/3) of those Executive Council members present at an Executive Council meeting.

#### **Article VIII**

1. This constitution may be amended by a two-thirds (2/3) majority of those present and voting at the annual meeting, or by a two-thirds (2/3) majority of those returning valid ballots.
2. Amendments may be initiated by
  - a. The Executive Council
  - b. Petition from at least one-tenth (1/10) of the regular members of the Section

3. Any proposed amendment shall be submitted in writing to the Secretary at least thirty (30) days prior to the annual meeting at which it is to be put to a vote and shall be distributed by the Secretary to the membership at least fourteen (14) days prior to that meeting. At the discretion of the Executive Council, amendments may be submitted to the membership by ballot, provided that at least twenty-one (21) days shall be allowed for return of the ballots and reasonable effort shall be made to advertise, at the time of or before the distribution of ballots, the reasons for the proposed amendment and the reasons for known or probably opposition to the amendment

#### **Article IX**

1. Notwithstanding any other provision of this Constitution, this Association shall not carry on any activities not permitted to be carried on (a) by an association exempt from federal income tax under section 501(c)(3) of the Internal Revenue Code of 1954 or the corresponding provision of any future United States Internal Revenue law, or (b) by any association contributions to which are deductible under section 170(c)(2) of the Internal Revenue Code of 1954 or the corresponding provision of any future United States Internal Revenue law.
2. This Association shall continue forever unless a two-thirds majority of the members voting in a ballot conducted in such a manner as the Council may prescribe shall vote to dissolve the Association. A proposal to dissolve the Association may be submitted for vote by the Council at any time. In the event the Association is dissolved, the Executive Council, after paying or making provision for payment of all liabilities of the Association, shall dispose of all assets of the Association exclusively for the purpose of the association to such charitable, educational, or scientific organization or organizations as shall at the time qualify as an exempt organization or organizations under 501(c)(3) of the Internal Revenue Code of 1954 or the corresponding provision of any future United States Internal Revenue law, except that in the case of funds granted by an agency stipulated otherwise, disposition shall be made in accordance with the provisions contained in the pertinent grant documents.

### **By-Laws of the Southern Ohio Section of the AAPT**

#### **Article I. Dues**

1. The annual dues shall be set by the Executive Council for regular members. There shall be no annual dues for retired regular members. The rate for lifetime regular membership shall be 20 times the annual dues for regular members.
2. The annual dues for sustaining members shall be determined by the Executive Council.
3. The fiscal year shall begin on October 1.

#### **Article II. Meetings**

1. The annual meeting shall be held in the spring at a time and place decided upon by the Executive Council.
2. The fall meeting shall be held in the fall at a time and place decided upon by the Executive Council.
3. Other special meetings may be called and arranged for by the Executive Council.
4. Notice of the time and place of the annual, fall, and special meetings shall be sent to all members by the Secretary, or announced in an issue of "The Dialog."

### **Appendix (not part of Constitution or bylaws)**

- a. The Vice-President for Secondary Schools and the Section Representative are elected the same year, the Vice-President for Two-Year Colleges and the Treasurer are elected during another year, and the Vice-President for Four-Year Colleges and the Secretary are elected during yet another year.
- b. The three (3) Vice-Presidents, along with the president-elect, will collectively share in the recruiting of new members and the planning of the fall and spring meetings; the latter includes the securing of host sites, coordinating with the host in recruiting speakers, and planning the program. One of these four will serve as the point of contact for each meeting.
- c. Appointed positions and duties within the Section include:
  - Dialog editor – maintains distribution list, publishes Dialog twice a year at least 30 days prior to both the fall and spring meetings
  - Associate Secretary Treasurer – maintains backup copies of the following: minutes, archives, membership and distribution lists, and treasurer records. Has access to Section's bank accounts in the event that the Treasurer is unable to perform designated duties.
  - Member-at-large – supports the section as needed
  - Other duties are assigned, as needed, and include maintaining the Section website, coordinating State Science Day, judging at State Science Day