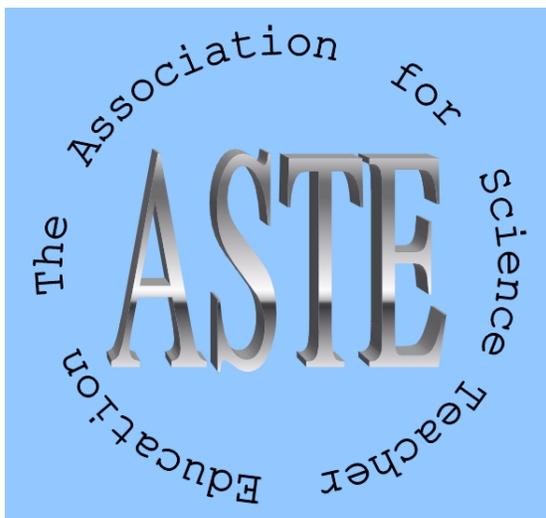


ASTE NEWSLETTER



President's Newsletter Message

Meta Van Sickle, ASTE President

We are thrilled to have to wonderful keynote speakers for ASTE 2011 in Minneapolis:

Dr. Janet Dubinsky "Science Educators and Neuroscientists: A Collaborative Agenda"



Dr. Janet Dubinsky is a Professor of Neuroscience at the University of Minnesota (UMN). Dr. Dubinsky won the 2009 Society for Neuroscience Science Educator Award and has served on the Society's

Inside:	
	<p>President's Message</p> <p style="text-align: right;">1-2</p>
	<p>In Memory: Dr. Sandi Abell</p> <p style="text-align: right;">3</p>
	<p>Regional and International Conference Information</p> <p style="text-align: right;">4-6</p>
	<p>Resources & General Announcements and</p> <p style="text-align: right;">7-9</p>
<p><i>Promoting leadership and support for those involved in the professional development of science teachers</i></p>	

Public Education and Communication Committee. She chairs the UMN Neuroscience Outreach Committee which runs the Brain Awareness Week Program, Minnesota Brain Bee, and Brain Day at the State Fair. In conjunction with the UMN STEM Education Center, Dr. Dubinsky currently holds a Science Education Partnership Award grant from the National Center for Research

President's Newsletter Message Continued from Page 1

Resources, "B.R.A.I.N. to High Schools," and a Science Education Drug Abuse Partnership Award grant from the National Institute of Drug Abuse to train high school science teachers in contemporary neuroscience using classroom experiments and inquiry pedagogy. Dr. Dubinsky's most recent science education publication addresses the need for neuroscientists and teacher educators to collaborate in bringing neuroscience to a teacher audience.

Dr. Adresse St. Rose "Breaking through Barriers: How Research Can Inform Science Education"



Dr. Adresse St. Rose is a research associate at the American Association of University Women (AAUW) and co-author of *Why So Few? Women in Science, Technology, Engineering, and Mathematics*. At AAUW, her work focuses on gender equity in education and the workplace and she has been a key contributor to AAUW publications that have been featured in the New York Times, Washington Post, Wall Street Journal and others. Prior to coming to AAUW, she worked as an academic counselor at Northeastern University in Boston, MA and taught high school math and biology. Dr. St. Rose has a bachelor's degree in biology from Hamilton College, a master's degree from Boston College, and an Ed.D. in education

policy from George Washington University.

I am really looking forward to hearing these two speakers. I am sure that we will enjoy their topics and information. I hope to hear lots of between session conversations!

The information these speakers present should help us with the challenge of ways to use words to help the general population of people interested in the education of children. It is clear that the need to continue to inform people about science and teaching is on-going.

Each speaker will present ideas to help us explain how our students learn and especially how they learn science.

In the winter volume of the newsletter, we can help explain that Shelia Tobias' notion that the bad science teacher is the exception because we understand actions that help people learn and reasons people leave or never study science.

The second item for discussion is the expanded ballot for our elections. The elections slate is larger this year than in previous years. Please let the current elections committee co-chairs know your thoughts after you have voted. Your board will be discussing the findings at the January board meeting. (Tisha Morrell, morrell@up.edu and Charles Eicks, eickcha@auburn.edu)

It is clear that the need to continue to inform people about science and teaching is on-going.

In Memorial of Dr. Sandi Abell



It is with genuine sadness that we inform you of the passing of Dr. Sandi Abell. We all knew Sandi as an academic whose work will stand the test of time; thoughtfulness extended to those who came into contact with her; and gentleness as she mentored others legion.

Sandi served ASTE through the years in a variety of ways. To mention some:

- Member, Ad Hoc Committee on Mentoring, 2005-2007.
- Member, Oversight Committee, 2002-2004.
- Member, Ad-Hoc Committee on Preparing Science Teacher Educators, 2001-2002.
- Member, Long Range Planning Committee, 2001-2002.
- Member, Review Panel, Science Teacher Education Section, *Science Education*, 2000-2003.
- Member, Executive Committee, (elected) 1999-2000.
- Member, Board of Directors, (elected) 1997-2000.
- Chair, Publications Committee, 1998-2000.
- Chair, Journal of Science Teacher Education Editor Search Committee, 1997-1998.
- Member, Elections Committee, (elected) 1996-1998.

To Mark and Luke, know that our positive thoughts are with you. Sandi will be deeply missed by the ASTE leadership team and members.

ASTE Elections Announcement

ASTE is an organization that relies heavily on its membership. One of the easiest and most powerful ways you can serve ASTE is to VOTE in the elections. We have a strong and talented slate of individuals who would like to serve you and help shape the future of ASTE. Please take the time to review their position statements and curriculum vitas posted at the ASTE website and vote for those you would like to see leading ASTE. It will only take you a short time, but the impact will be long-lived. The Election Committee thanks you in advance for voting.

To cast your vote, go to <http://TheASTE.org>. You will need your ASTE PIN and last name to log in (PINs are easily obtained through the link on the ASTE website). Email Eugene Wagner at executivedirector@theaste.org with any questions or if you wish to have hard copy of the ballot.

Online voting will be from October 1 through November 15th. Thank you for your participation in this important activity.

ASTE Regional Conference News

ASTE Northeast Region

The 2010 ASTE Northeast Region meeting will be held on October 21-22, 2010 at Pocono Environmental Education Center (PEEC).

The conference will begin on Thursday afternoon with roundtable discussions. An afternoon break will follow with optional activities available including a very scenic waterfall hike. After the evening panel and discussion activity (with dessert, wine, and microbrews), we will gather around a bonfire and make s'mores.

A Project Learning Tree workshop will be conducted during Friday morning and roundtable discussions will occur in the early afternoon.

The 2010 conference registration fee includes all meals, lodgings, and ASTE Northeast Region membership dues. Lodging options at PEEC will include cabins and yurts. Hotels in the Poconos are located about 20 minutes away.

Additional information including registration forms are available at the conference Web site at: <http://environmentaleducationonline.com/neaste>

ASTE Southwest Region

The 2010 Southwest ASTE (SW-ASTE) meeting Web site is now available at: <http://educonf.wordpress.com/>

SW-ASTE 2010 will be held October 15-17, at Oklahoma State University (OSU) in Stillwater, Oklahoma. Van transportation will assist guests who choose to travel by airplane (Will Rogers Airport in Oklahoma City). Guests will stay at the historic Atherton Hotel located on the OSU campus – a convenient location to the conference events in Willard Hall.

Southwest Association for Science Teacher Educators (SW-ASTE) members have traditionally included science faculty members and their graduate students from four-year colleges and universities serving science teachers in Arizona, Arkansas, New Mexico, Colorado, Oklahoma, Kansas, and Texas. With this conference year, the SW-ASTE Board wishes to increase and expand the diversity of our membership and generate new, exciting possibilities that address SW-ASTE regional concerns related to science teacher preparation and ongoing professional development. Conference Proposals are due by Saturday, September 18, 2010.

The SW-ASTE 2010 conference theme “Taking Collaborative Action” is expected encourage dialog on new opportunities for improved preparation and support of science teachers in the Southwest ASTE region. We look to conversations among a wide range of colleagues who contribute to the growth and development of science teachers. Collaborative institutions and educators might include community colleges, historically black institutions, educational service centers, alternative certification providers, scientists, engineers, classroom teachers and administrators.

Friday evening events will include round table discussions and informal, hands-on activities. Dinner will feature the famed Hideaway Pizza and optional excursions to Eskimo Joe's and “the strip”. Saturday events will include paper and round table sessions, a business meeting, and an evening Star Party – Cowboy Style! Sunday morning events will include an Executive Board meeting and Graduate Student Round Tables.

Julie Thomas, Ph.D.

Frank and Carol Morsani Endowed Chair of Science Education

Oklahoma State University

245 Willard

Stillwater, Oklahoma 74075

405-744-7396 (office)

405-744-6290 (FAX)

julie.thomas@okstate.edu

ASTE Regional Conference News Cont.

ASTE Southeast Region

The Southeastern Association for Science Teacher Education is holding the 2010 S-ASTE meeting in Decatur, GA on October 8-9, 2010 with the theme of Expanding the Boundaries of Science Education. A call for papers will be announced shortly with a submission date of September 18th. Lisa Martin-Hansen, current President of S-ASTE, is leading the team organizing the activities co-hosted by both Georgia State University and Agnes Scott College as S-ASTE will be held on the Agnes Scott College campus. Free parking, convenient access to hotel, and nearby restaurants and sight-seeing make Decatur, Georgia a desirable location for the event. Please see the following URL that will become active in the next few days for information regarding this

conference: <http://education.gsu.edu/SASTE/> For other questions, you may contact Lisa at lmartinhansen@gsu.edu. We hope to see you there!

ASTE North-central Region

The North-Central Region is excited to host our annual regional meeting Oct. 7th through 9th at the luxurious Hilton Minneapolis as a partial warm-up for the National meeting in January. Our membership is working diligently to prepare for the arrival of our colleagues from across North America in January, and would love to see interested ASTE members at our October meeting. We celebrate our regional meeting as it is a time for reconnecting with fellow NC-ASTE members, collegial and informal teaching and learning, and developing innovative and strategic collaborative research projects. I encourage ASTE members to contact me (hechter@cc.umanitoba.ca) for more information regarding our autumn regional meeting!

Sincerely, Richard Hechter, Regional Director,
North-Central Region.

ASTE International Conference News

Explore the Boundaries at ASTE

2011 National ASTE International Conference -
Minneapolis, MN. January 19-22, 2011

Come to beautiful Minneapolis, Minnesota for the 2011 ASTE at the Hilton Hotel in the heart of downtown Minneapolis!

The Hilton Hotel is connected to climate-controlled skyways connecting over 62 blocks of retail shops and restaurants.

Nearby attractions include the Science Museum of Minnesota, the Minneapolis Institute of Arts and the world famous Mall of America.



Conference Registration

The online conference registration form will be available at the beginning of October. The early-bird registration rate will be \$200 for 2011 ASTE members and \$95 for 2011 student members. Membership for 2011 can also be completed at the same time as conference registration.

ASTE 2011: Explore the Boundaries at ASTE

ASTE 2011 International
Conference
January 19-22, 2011
Explore the Boundaries

Hilton Minneapolis

1001 Marquette Avenue South
Minneapolis, MN 55403-2440
Tel: 1-612-376-1000
Fax: 1-612-397-4875



Conference: <http://theaste.org/meetings/2011conference/>

Acceptance letters for Concurrent Sessions Proposals as well as for Workshop Proposals have been emailed to the principal authors. If you have not received notification on your proposal, please contact Eugene Wagner at executivedirector@theaste.org.

Syllabus Sharing Poster Session at 2011 ASTE International Conference

Join your colleagues in Minneapolis for the poster session on “**Syllabus Sharing**” to get valuable ideas you can modify to fit your course content. Several of the featured courses have been taught for years, and refined over that time to maximize their effectiveness. Some have passed NCATE and similar review processes.

This sharing is a tradition going back to our first ASTE conference. Learn about activities, textbooks, field experiences, scoring rubrics, and many other resources that can be used in your own methods courses for science teachers. Look for room and time for this session in program announcements.

For more details or questions, contact **Bill Baird** at bairdwe@comcast.net



Teaching and Learning about Science and Religion

The LASAR (Learning about Science and Religion) Project is based in England and is focusing on how secondary students here perceive and respond to the relationship between science and religion. We are particularly interested in how perceptions might influence attitudes to learning and engaging with science as a subject. All publicly maintained English schools are required to teach science according to a National Curriculum, and to also (unlike in the US) provide instruction in religious education/religious studies. The recommended (but not statutory) curriculum in religious studies includes material on the relationship between science and religion, as well as learning about the major world faiths. However, church/faith schools (now a substantial minority of publicly funded schools in England) are able to substitute their own alternative curriculum. The project's main focus is on student perceptions, but the project will include some work with teachers and trainee teachers, and an associated strand is looking at developing resources to support teachers in responding to student questions and teaching about the issue in an informed and balanced way. The project is funded through a grant to the Faraday Institute for Science and Religion and is based at Reading University's Institute of Education (Dr Berry Billingsley) and Cambridge University's Faculty of Education (Dr Keith S Taber). The project issues occasional (approximately termly) email newsletters, and any members of ASTE interested in receiving these should send an email to h.s.newdick@reading.ac.uk asking to be added to the email list for the LASAR project.

Keith S Taber
(ASTE member /JSTE Editorial Review Board member)

Tips for teachers: Integrating service learning into the classroom

The following tips are offered as a resource to help guide science teachers as they consider service learning in science classrooms:

- Start with a simple idea for your service-learning project, which will make it easy to implement as well as achieve learning outcomes for both teacher and students. Involve parents by asking for supply donations or other necessary support for the project.
- Find a nearby agency to partner up with. Local projects are easily accessible for students and hold their interest longer because they can see the results within their own community.
- Seek input from students when planning a service-learning project. Their ideas can be crucial to the success of the project and will give them ownership of what happens during the project.
- Offer reflection time. Ask students to keep track of their thoughts during the entire project by journaling. Lead class discussions to review how everything is coming together.
- Make a connection between the school curriculum and the service-learning project. This can help explain the project to parents and administration. Connecting the project to state and national subject matter standards also will ensure that essential skills are covered and proper assessment opportunities are built into the project.

Jim McDonald
(ASTE member /Professor of Science Education at Central Michigan University)

ASTE Director Positions

Executive Director

We are currently in the process of accepting applications and nominations for the position of Executive Director for the Association for Science Teacher Education. Individuals and/or teams of individuals can apply for this position. Support is provided by ASTE for the position including a yearly stipend, office expenses and travel to all meetings (including the summer board meeting).

The Executive Director should be a member in good standing in ASTE and have good organizational skills. If applicable, this person should have strong institutional support for this position. The Executive Board will review the submitted applications and select an Executive Director to present to the Board of Directors for approval.

Term of position: The position will last five years and will begin upon conferral of the Board of Directors. There will be a six-month phase in process starting in June 2011 in which the outgoing Executive Director will be responsible for assisting the new Executive Director.

Director of Electronic Services

We are currently in the process of accepting applications and nominations for the position of Director of Electronic Services for the Association for Science Teacher Education. Individuals and/or teams of individuals can apply for this position. Support is provided by ASTE for the position including a yearly stipend, office expenses and travel stipend to the annual conference.

The Director of Electronic Services (DES) has the primary responsibility of ensuring that the electronic communications used by ASTE members are current and trouble free. In performing such duties, the DES works under the direction of the Executive Board of Directors.

The Director of Electronic Services should be a member in good standing in ASTE, experienced in technology, and have good organizational skills. If applicable, this person should have strong institutional support for this position. The Executive Board will review the submitted applications and select a DES to present to the Board of Directors for approval.

Term of position: The position will last five years and will begin upon conferral of the Board of Directors. There will be a six-month phase in process starting in June 2011 in which the outgoing Director will be responsible for assisting the new Director.

Interested persons or teams should submit a letter of inquiry to the ASTE president, Chair of the Director of Electronic Services Search Committee. Full applications for the position are due by December 15th, 2010 and should include a cover letter of application, vita(s), and, if appropriate, a statement detailing institutional support.

The interested person and/or team should also review both the Executive Director Job and Director of Electronic Services postings. The two positions work in concert with each other. For more details on these positions, go to <http://theaste.org/memberresources/jobs>.

Electronic submissions via email are encouraged.

Please send these materials to the Meta Van Sickle, ASTE President:

Dr. Meta Van Sickle

vansicklem@cofc.edu

Opportunities for Science Educators

Do you know a teacher interested in growing professionally, but is struggling financially to meet that dream? Do you have a science student considering teaching in high schools and interested in a Master's degree in science education? Do your students seek an individualized learning environment surrounded by international scholars in science?

The Wake Forest University Department of Education announces openings in their 2011-2012 teacher licensure programs for students interested in pursuing a Master's degree in science education.

The Master Teacher Fellows (MTF) Program is a 13-month program intended for students who have a Bachelor's degree (or equivalent coursework) in a science related area and who seek teacher licensure and a Master's degree.

The Master Teacher Associates (MTA) Program is a 13-month program intended for licensed and experienced teachers who seek additional study in professional education.

Funding for both programs is available through university scholarships and fellowships, and through special fellowships such as WINS (Wake Innovative Noyce Scholars). WINS is funded by the NSF Noyce Scholarship Program and offers full tuition and a generous stipend for candidates who commit to teaching 2 years in a high need school following graduation. Additional funding is available for outstanding minority candidates.

Applications for both degree programs are due on January 15th. For general information about the two programs, financial support, and how to apply, please visit <http://wfu.me/education/graduate-program/>. For more information on graduate programs in science education, please contact Dr. Michelle Klosterman at klosteml@wfu.edu.

ASTE 2012 & 2013

Future ASTE conferences will be held in Clearwater, FL in 2012 and Charleston, S.C. in 2013.

2012 Conference

Dates: January 4-7, 2012.

Host Hotel: Hilton Clearwater Beach Resort

http://www1.hilton.com/en_US/hi/hotel/PIECBHF-Hilton-Clearwater-Beach-Resort-Florida/index.do

Conference Chairs: Dana Zeidler, Allen Feldman, & Ben Herman

2013 Conference

Dates: January 10-12, 2013.

Host Hotel: Francis Marion Hotel

<http://www.francismarionhotel.com/>

Conference Chairs: Meta Van Sickle & William Veal

I share with my students the belief that teaching is perhaps one of the hardest endeavors on earth. It certainly is not without its challenges and issues. However, teaching is wrought with challenges because it is, without a doubt, the most worthwhile endeavor one can undertake. Nothing worthwhile is without its challenges. The more worthwhile an endeavor, the more challenges to face. There is not a better endeavor to devote one's life work to.

Warren DiBiase-Association of Science Teacher Education President 2008

ASTE Newsletter

Published four times a year by the Association for Science Teacher Education. All members are invited to submit items.

Issue	Items due by
Summer	Aug. 15
Fall	Oct. 15
Winter	Feb. 15
Spring	May 15

Editor: Todd Campbell

Phone: 435-797-7038

Email: todd.campbell@usu.edu