President’s Newsletter Message
Randy L. Bell, ASTE President

It is my privilege and pleasure to publicly acknowledge and share my appreciation to all who worked together to make our 2011 Annual Meeting such a big success. Of course, the list is too long to personally acknowledge individual contributions, but suffice it to say that dozens of your colleagues and friends worked tirelessly to make our conference both informative and inviting to all who attended. “Inviting” might not be the first word to come to mind when thinking about January in Minneapolis. However, I think you’ll agree that the warmth we experienced with our colleagues more than made up for the frigid temperatures outdoors.

Just how cold was it? According to the weather report, the high for the conference was 10°F while the low was a chilly -15°F! But neither the cold temperatures nor the sagging economy kept the majority of our members away. A total of 414 trekked north (or in a very few cases, south) to attend the conference. Our current membership is growing and on track to surpass the 2010 total of 716. Clearly, our organization is on solid footing and poised for growth as the economy improves.

The degree to which our members participate in the work of ASTE, both at the conference and beyond is worthy of note. For example, our colleagues led a total of 310 conference sessions and 10 workshops. Well over a
hundred members participated in committee meetings at the conference, and among other business, each committee set goals for 2011. I think it’s important for you to be aware of the work of your leadership team, so allow me to share a brief synopsis of these committee goals.

1. The Elections Committee has been working to revise the nominee evaluation rubric. You can see the results of their efforts at [http://tinyurl.com/4uoahd2 & http://tinyurl.com/4dd59ea](http://tinyurl.com/4uoahd2 & http://tinyurl.com/4dd59ea). While you’re there, please consider nominating yourself or a colleague for the election slate.

2. The Awards Committee plans to revise Award III-Honorary Emeritus Member, as requested by the Seniors as Researchers Forum to make the award more accessible and appealing to senior members. The new title of Award III will be: Outstanding Longtime Service to ASTE.

3. The Publications Committee issued a call and will conduct a search for a new editor for the ASTE Newsletter. The committee also issued a call with plans to select a proposal or proposals for monographs, which will be part of the ASTE Series in Science Teacher Education. Interested individuals should contact Kathy Cabe Trundle, Chair of Committee, for more information on these calls (trundle.1@osu.edu).

4. The Membership Committee will be exploring ways to incorporate social network resources to improve communication and interaction among ASTE members.

5. The Professional Development committee is planning for a workshop at the 2012 conference to target the special needs and interests of graduate students.

6. The Equity Committee is working on ways to communicate ASTE’s goal of being accessible to all, regardless of our differences and challenges. The committee will be investigating potential resources to improve accessibility for our website and annual meeting.

7. The Technology Committee is working to revise its charge from standing committee to forum. This change is due to the committee’s recognition that its responsibilities and work have evolved over the years and are now more closely aligned with ASTE forums.

8. The Committee on Regional Units will work with the regions to ensure that all units have established bylaws, and the Regional Directors will work together to improve communication among the regions and between the units and the Board.

These are just a few of the many goals and tasks your leadership team plans to address in the coming year. Please be aware that, as always, you are encouraged to attend committee meetings at the annual meeting, which are open to the membership. Additionally, the committee chairs welcome your suggestions, ideas, and efforts as they work to complete their tasks throughout the year. This is an excellent way to become involved! You can find contact information for each committee chair/co-chair at: [http://theaste.org/aboutus/](http://theaste.org/aboutus/). New members of the standing committees are often selected from the people who have participated in this way.

Your Leadership Team is dedicated to preserving the values and commitments that make ASTE unique from other science education organizations and that our members cherish. I count it a privilege to serve with these colleagues and look forward to a productive year as we work together to make ASTE all that it can and should be.
2011 ASTE AWARDS

2011 Award I Level II, Science Educator
Award - Julie Gess-Newsome

Award I Level 2, the Outstanding Science Teacher Educator of the Year Award, recognizes the individual achievements and contributions of persons spanning more than ten years in their career service.

Dr. Julie Luft, Professor of Education, Arizona State University, nominated Dr. Gess-Newsome for this award.

Dr. Gess-Newsome is the J. Lawrence Walkup Distinguished Professor of Science Education at Northern Arizona University. Prior to receiving her Ph.D. from Oregon State University, Dr. Gess-Newsome taught high school biology and general science for 8 years in Wyoming and South Dakota. Dr. Gess-Newsome is the past-president and board member of the Association for Science Teacher Education, the former editor of the Science Teacher Education section of Science Education, and a past board member for the National Association for Research in Science Teaching.

In honor of this recognition, Dr. Gess-Newsome receives an inscribed plaque and $1,000 from Carolina Biological Supply.

2011 Award II, Outstanding Mentor
Award – Gerry Saunders

Award II, the Outstanding Mentor Award, recognizes outstanding accomplishments in contributing to the professional development of pre-service and in-service science teachers and teacher educators.

Dr. Jennifer Frisch, Assistant Professor of Biology Education at Kennesaw State University, nominated Dr. Saunders for this award.

Dr. Gerry Saunders is a Professor of Education and current Director of Teacher Education at Unity College in Maine. Dr. Saunders is a former high school biology teacher and has served as a faculty member at Southern Illinois University – Carbondale and University of Northern Colorado. Dr. Saunders has mentored numerous students in the capacity of a graduate advisor, course instructor, and cooperating teacher. He has been active in professional associations and recognized nationally for his outstanding work with Project WET and WILD, NSTA, NABT, and ASTE.

In honor of this recognition, Dr. Saunders receives an inscribed plaque and $1,000 from Frey Scientific. Frey Scientific, a subsidiary of Delta Education, is the continuing sponsor of our Award II.
2011 ASTE AWARDS CONTINUED

2011 Award IV, Best Paper on Innovation in Teaching Science Teachers

Award – Susan Gomez-Zweip and William Straits

2011 Award IV, Best Paper on Innovation in Teaching Science Teachers Continued

Dr. Bill Straits is an associate professor of Science Education at California State University, Long Beach. Bill works primarily in pre-K through 8th grade teacher education and has had great interest in the development and research of teaching strategies that integrate Language Arts and Science instruction.

Frey Scientific makes the award of $1,000 possible. Each coauthor will receive a check for $500.

Visit the ASTE Website for Additional ASTE Communications and Resources

https://theaste.org/memberresources/

Award IV, Innovation in Teaching Science Teachers, recognizes the best paper submitted for nomination and presented at the ASTE 2011 conference that seeks to encourage the development and dissemination of new designs for courses and curricula, new instructional methods or approaches, and other types of innovations in the pre- or in-service education of teachers of science.

Susan and Bill entitled their paper, “What about those left behind? A template for developing quality science lessons for English language learners”

Dr. Susan Gomez-Zwiep is an assistant professor of Science Education at California State University, Long Beach. Susan was a middle school science teacher in the Los Angeles area for over 14 years. Susan’s professional work has focused on teacher professional development, preservice teacher education, and English Language Development.
2011 ASTE AWARDS CONTINUED

2011 Award V, Implications of Research for Educational Practice Award – Daniel Bergman

Award V: Implications of Research for Educational Practice recognizes the best ASTE 2010 paper presentation that seeks to identify a persistent and recurring problem in the practice of science teacher education. The paper should develop strategies to resolve the problem based upon a comprehensive synthesis of relevant research and interpret theory and research for practice.

This award is for Dr. Bergman’s 2010 ASTE paper entitled, “Synergistic Teaching of Science to English Language Learners: Comparative Analysis of the Strategites”

Dr. Bergman is an Assistant Professor and Chair of the Secondary Science Education Program at Wichita State University in Wichita, Kansas. Dan’s interests include teaching behaviors, classroom recording and self-evaluation, pre-service preparation, and the role of popular culture in teaching and science education.

Carolina Biological Supply has made possible a cash award of $1,000.

ASTE ELECTION NEWS

Thanks to everyone who participated in the 2011 ASTE election process! We received a large number of nominations and were able to advance a slate of many highly qualified members for each of the positions. A big THANK YOU, too, to those of you who actually voted.

As in the political elections in some parts of the country, everyone’s vote really made a difference. Some of our candidates were separated by less than ten votes! Thirty-six percent of our members voted which is a little higher than past elections. We hope that with a totally electronic process and several reminders to vote, that more of our membership will vote in future elections. Please do take the short time it takes to cast your votes in the 2012 election. And, if there is something we could do to facilitate the voting process, please do let us know! Your ASTE officers are here to serve you and make sure our organization is meeting our profession’s current and future needs—help elect those you feel would do that the best. And with that…

Our new officers for ASTE are:

President-Elect – John Tillotson
Board Members at Large – Michael Clough and Lisa Martin-Hansen
Elections Committee – Sherri Brown and Erika Brownstein

The newly-elected officers begin their terms at the 2011 ASTE conference in Minneapolis, Minnesota.

Consider running or nominating someone for office for next year!

Your ASTE Elections Committee,
Tisha Morrell, Co-Chair
Charles Eick, Co-Chair
Deborah Hemler
Rebecca Schneider
James MacDonald
Call for Guest Reviewers

Elementary Science Education (ESE) dedicated issues within the Journal of Science Teacher Education

The Elementary Science Education (ESE) is seeking qualified reviewers in elementary science education and related fields. The purpose of ESE is to communicate ideas, theories, research, and field-oriented information related to supervision, curriculum, and instruction. The audience of ESE includes universities with teacher education programs, elementary schools, and state and local education agencies.

ESE Guest Reviewers must be members in good standing of ASTE. These individuals should have experience publishing in professional refereed journals, and prior experience reviewing for conference proposals and/or refereed journals is preferred.

Responsibilities of Guest Reviewers are to:

• Read and evaluate manuscripts within their area of expertise.
• Provide written reports on manuscripts reviewed using the criteria and evaluation form provided by the ESE Editor.
• Review manuscripts in a timely fashion as established by the ESE Editor.

To reflect the international scope and readership of the journal, we encourage applications from individuals outside the U.S. If interested, please send a letter of interest and 2-page vita to:

Eun Lee, Managing Editor of ESE
jese@missouri.edu

Call for ASTE Monograph Proposals

The Publications Committee is seeking proposals from ASTE members for a new monograph in the organization's Series in Science Teacher Education. Monographs are edited volumes that focus on a scholarly theme of interest related to innovation in science teacher education. Recently published monographs include Women's Experiences in Leadership in K-16 Science Education and The Inclusion of Environmental Education in Science Teacher Education. Monograph themes may include important topics for the field of science teacher education such as technology in science teacher education, inclusion in science teacher education, scientist and science educator collaborations, public policy and science teacher education, or other topics of interest to the ASTE membership.

Submission Guidelines

Proposals from ASTE members should contain the following information:

a. Proposed title
b. Abstract
c. List and qualifications of editors
d. Rationale/statement of need
e. Purpose
f. Proposed format
g. Outline (of chapters/parts and contributors)
h. Proposed timeline

Submissions may be sent anytime during the year to Kathy Cabe Trundle, Publications Committee Chair, at trundle.1@osu.edu. Please contact Kathy for additional information.
CALL FOR PAPERS

*Elementary Science Education (ESE) dedicated issues within the Journal of Science Teacher Education*

As of Volume 21 (2010) the *Journal of Elementary Science Education* is published as two dedicated issues within the *Journal of Science Teacher Education* (JSTE). The ASTE Board recently approved a contract with Springer to publish JESE, to be referred to as *Elementary Science Education* (ESE). The purpose of ESE is to communicate ideas, theories, research, and field-oriented information related to supervision, curriculum, and instruction in elementary science education. ESE is published to provide discussion of a broad range of concepts, theories, and issues and dissemination of the knowledge base for professionals.

Research published in ESE should inform universities with teacher education programs, elementary schools, and local and state education agencies. Manuscripts should focus on issues related to elementary science education theory, research, or practice, including, but not limited to, the following interest areas:

- Needs Assessment/Research and Evaluation
- Preservice Teacher Preparation
- Inservice Teacher Enhancement
- Recruitment and Retention
- School Board Policies and Practices
- Teaching and Learning
- Gifted/Special Education
- National/International Issues
- Public/Private School Administration
- Higher Education/State/Local School Collaboration
- Resources, and Funding

Authors are encouraged to submit manuscripts up to 25 pages in length, following the guidelines of the *Publication Manual of the American Psychological Association* (most recent edition). Manuscripts can be submitted online via [http://www.editorialmanager.com/jste/](http://www.editorialmanager.com/jste/). Be sure to select *Elementary Science Education* as the article type to ensure your manuscript is considered for the ESE issues within JSTE.

Additional instructions for authors can be found online via Springer: [http://www.springer.com/education+%26+language/science+education/journal/10972](http://www.springer.com/education+%26+language/science+education/journal/10972)

Please direct questions and inquiries to jese@missouri.edu

Deborah L. Hanuscin, Editor *ESE*
Eun Lee, Managing Editor, *ESE*
EDITOR or CO-EDITORS

ASTE Newsletter—Association for Science Teacher Education

The Publications Committee of the Association for Science Teacher Education (ASTE) is seeking applications for Editor or Co-Editors for the ASTE Newsletter. The duration of the appointment is 3.5 years, beginning full responsibilities in January, 2013, plus 0.5 year overlap with the current editor from June 2012 to December 2012. Thus, the new editor will assume full editorial responsibilities of the ASTE Newsletter from January 2013 to December 2015.

The ASTE Newsletter is an online publication for sharing information about the Association and its activities to its members and interested others. Each year, the Association publishes online a minimum of four issues of the ASTE Newsletter, designated as the Winter, Spring, Summer, and Autumn issues.

The content of the ASTE Newsletter is determined by both the chair of the Publications Committee and the Editor of the Newsletter. The items selected for publication in the Newsletter should be relevant to the ASTE membership and can include by-law revisions and brief reports from ASTE committees. Each issue may include a President's Message from the ASTE President.

The ASTE Newsletter Editor must be a member in good standing of ASTE. This individual should have experience in publishing, reviewing documents, using word processing, and creating/disseminating electronic publications. In addition, the Editor will be expected to attend annual meetings of ASTE and serve on the ASTE Publications Committee.

Responsibilities

The ASTE Newsletter Editor will:

- Issue a call for newsletter information from the standing committees of ASTE and the members of ASTE.
- Design, edit and format the electronic ASTE Newsletter.
- Submit the ASTE Newsletter for review to the Chair or designated member of the Publications Committee prior to dissemination.
- Provide his/her own computer. Since the newsletter is disseminated electronically, there are no costs for printing and mailing.
- Serve on the Publications Committee as an Ex Officio non-voting member.
- Have close communications with the ASTE Executive Director, Director of Electronic Services for ASTE, and the Publications Committee Chair.
- Submit semi-annual board reports to the ASTE Board of Directors through the Publications Committee.

Interested persons should submit a letter of inquiry to the Chair of the ASTE Newsletter Editor Search Committee. Full applications for the position are due by April 30, 2011 and should include a cover letter of application, vita(s), and a statement detailing institutional support. Electronic submissions are strongly encouraged.

Please send these materials to the Chair of the ASTE Newsletter Editor Search Committee:

Kathy Cabe Trundle Ph. (614) 292-5820
Chair ASTE Newsletter Editorial Search Committee Email: trundle.1@osu.edu
School of Teaching and Learning
The Ohio State University
333 Arps Hall
1945 N High Street
Columbus, OH 43210
Preservice Points

Erica M. Brownstein

Recognition for Science Teacher Preparation Programs

In February of 2011, thirteen institutions were recognized by NSTA as meeting the 2003 NSTA Standards for Science Teacher Preparation. The 2003 NSTA-Standards address the knowledge, skills and dispositions that are deemed important by the National Science Teachers Association for teachers in the field of science. The following institutions demonstrated excellence through assessment alignment, data collection, reflection and improvement of programs based on data (for a complete list, go to www.nsta.org/preservice). Congratulations!

Capital University, Coastal Carolina University, Grand Valley State University, Indiana Wesleyan University, McKendree University, Monmouth University, Mount Vernon Nazarene University, Niagara University, Northeastern State University, Southeastern Oklahoma State University, The College of Saint Rose, Western Illinois University, and Winthrop University

NSTA Standards for Science Teacher Preparation Programs

Update

The NSTA Teacher Accreditation Subcommittee has received feedback from NCATE SASB. A revised version of the standards is being developed and will be posted on the NCATE website for feedback. The NSTA Preservice Committee Chair will take the final proposed Standards to the NSTA Board for approval in the summer of 2011. If approved, they will be sent to NCATE for approval at the Fall 2011 meeting by the SASB.

Thank you to Reviewers in the Fall 2010

The following individuals are to be specially recognized for their work reviewing middle and high school preservice programs. Each reviewer team examined reports from two different institutions and evaluated alignment with the 2003 NSTA Standards for Science Teacher Preparation. Their time commitment and careful reviews makes it possible to maintain high quality, consistent reviews. Thank you to Isaam, Abi-El-Mona, Elizabeth Allan, Anjana Arora, Marsha Bednarski, Sumita Bhattacharyya, Jacqueline Bowman, Ruth Burkett, Andrea Byrne, Rene’ Carson, Deborah Chessin, Susan Courson, Jeanelle Day, Scott Jackson Dantley, Michael Diaz, Gordon Eggleton, James Ellis, Catherine Gardner, Carl Gilbert, Randy Hunt, Jonathan Keiser, Kenneth King, Kurtis Koll, Carole Lee, Jason McGraw, Stacy Pritchett, Eric Pyle, Scott Robinson, Gouranga Saha, Don Schillingier, Joe Shane, Karthigeyan Subramaniam, Deborah Tucker, William Veal, Starlin Weaver, and Joseph Zawicki.

If you have questions about the NSTA recognition process or would like to become a reviewer, please contact the NSTA Preservice Coordinator, Erica M. Brownstein at ebrownst@capital.edu or visit the web page at www.nsta.org/preservice
Summer Science Seminar Programs in Hawaii

Earth and Marine Science Seminars in Hawaii – Summer 2011: Three seminar programs designed for educators are available:

1) Geoscience on the Big Island of Hawaii – July 10-16 & Aug. 7-13


BRAZIL: ADVENTURES IN ECOLOGY AND EDUCATION

Brazil: Adventures in Ecology - July 24-August 2, 2011. Visit Sao Paulo, 5th largest city in the world and economic center of Brazil. Sample extraordinary cuisine, music and share cultural experiences. Compare ecosystems facing challenges often similar to ours.


Connect! Scholarships may be available for educators. For graduate and undergraduate credit - contact Harriett_Stubbs@ncsu.edu  YOU-TUBE at www.ncsu.edu/scilink. Check out Brazil- u-tube, bookmark, poster, program overview.


Upcoming NSF proposal deadlines

The NSF Division of Research on Learning in Formal and Informal Settings (DRL) has two programs with spring submission deadlines. They are:

Innovative Technology Experiences for Students and Teachers (ITEST)
Letter of Intent Due Date(s) (required) (due by 5 p.m. proposer's local time): March 11, 2011
Full Proposal Deadline(s) (due by 5 p.m. proposer's local time): May 13, 2011

Fostering Interdisciplinary Research in Education (FIRE)
Full Proposal Deadline(s) (due by 5 p.m. proposer's local time): April 29, 2011

Please examine these solicitations and consider submitting proposals.
Science and Religious Education in Schools: New Possibilities
St Edmund's College, Cambridge, UK: June 25, 2011

This one-day conference will provide an intensive and exciting programme for those with an interest in the teaching and learning of science and religion. It will suit teachers and trainee teachers of science and religious education in primary and secondary schools. Join us to share ideas; hear from lead-researchers; ask questions of an expert panel and to network over a buffet lunch (which is included within the fee). There will also be a presentation of the LASAR project initial findings. This is a three year project which is researching pupils¹ perceptions of science and religion and which is also producing free resources for use in the classroom at www.faradayschools.com

Registration fee (which includes lunch): £20.00 (£10 for trainee teachers/students in higher education).

LASAR - Learning about science and religion www.faradayschools.com and www.lasarproject.com
Sponsored by The Faraday Institute for Science and Religion, St Edmund's College, Cambridge.

Speakers (listed in alphabetical order) and topics
- Dr Berry Billingsley
- Prof. Sir Colin Humphreys FIM FinstP: Can a scientist believe in miracles?
- Prof. Mary James: Chair
- Prof. Michael Reiss: How should creationism and intelligent design be dealt with in the classroom?
- Dr Tonie Stolberg: Teaching Religion and Science: Effective pedagogy and practical approaches for RE teachers
- Dr Keith Taber

Registration fee: £20.00 (£10 for trainee teachers/students in higher education).

Programme at http://www.st-edmunds.cam.ac.uk/faraday/Conference_schedule.php?Type=New&CourseID=45

Questions or comments can be emailed to Dr Berry Billingsley (LASAR project leader) at b.billingsley@reading.ac.uk or to Dr Keith Taber (LASAR project consultant) at kst24@cam.ac.uk

Clearwater, FL
Setting for 2012 ASTE Annual Meeting

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

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