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Editor: Jeffrey Weld, Department of Biology, University of Northern Iowa

*President's Message*

**Where Are We? Where Are We Going? And How Do We Get There?**

*The AETS International Meeting, January 29-February 2, 2003, St. Louis, Missouri*

**John E. Penick, AETS President**

**T**he AETS 2003 Annual Meeting theme—Society is in the 21<sup>st</sup> Century—Where is Science Education?—represents many of our concerns with providing effective science instruction for all students. I personally hope that you will come to St. Louis and the eleventh annual meeting of AETS, the only major annual conference devoted entirely to science teacher preparation. Many of you attended our first independent AETS conference in Charleston in 1993 and others of you were then teaching in precollege schools and a few were our high school students then. Regardless of where you were then, we have seen a steady growth in attendance, sessions, and impact on our members in these eleven years.

Focusing on our concerns for how we can better structure our programs to produce more effective teachers, our 2003 conference team promises eight preconference workshops and 230 individual presentations and sessions. Early on, we decided to emphasize educational policy issues and the effective use of technology in teacher education as well as sessions focusing on specifics of teaching adults and children, methods practices, supervision and mentoring, and a host of other topics. Beginning with a keynote debate about policy issues, we will continue with panels, speakers, and debates on critical

**AETS conferences are known for stimulating and focused discussions, excellent networking opportunities, problem solving, and discussion about teacher education...**

*(continued on page 2)*

*President's Message (cont.)*

topics facing science teacher educators, both in the classroom and at the policy level. Our keynote speakers include Dr. Mike Podgursky and Dr. Nancy Zimpher (teacher education) and Dr. Walter Stroup (technology).

All of us now use technology in ways we would not have dreamed of 20 years ago. I hear regularly of clever ways that our members enhance their teaching with technology and I have a ready list of things I haven't myself tried but would like to. With these ideas in mind, we have established appropriate uses of technology in teaching (and in putting on a conference), as a significant thread and focus for each day. Our Ad Hoc Committee on Technology Enhancement for Teacher Education (chaired by Ron Bonnstetter with strong assistance from Al Bodzin, Craig Berg, Leigh Ann Haefner, Joe Krajcik, Jim McDonald, and John Park) worked tirelessly to establish a Technology Room that will host a regular series of presentations devoted to demonstrating how members use technology in their programs.

Networking and relationship with others at similar and different institutions continue to be a major reason for our association. With this in mind, several regional meetings will help you connect with other science teacher educators in your geographic area while a new syllabus-sharing symposium will stimulate discussion about courses and programs. A session devoted entirely to work in progress will be particularly useful to graduate students, new researchers, and those who seek advice on their work or just want to know what's happening early.

Listening to past participants, the planning committee designed sessions to be as interactive as possible, with discussion, brainstorming, and idea sharing. AETS conferences are known for stimulating and focused discussions, excellent networking opportunities, problem solving, and discussion about teacher education problems, issues, and solutions in a friendly and supportive atmosphere. This one will epitomize that perception.

We chose centrally located St. Louis because of price and the wonderful St. Louis Union Station. This outstanding venue with numerous shops and restaurants just a short, climate-controlled stroll away makes a conference easy, friendly, and compatible with many of our more pedestrian passions (like eating, drinking, and hanging out). Add to this the Science Center, Gateway Arch, ease of transportation, an outdoor climate much milder than the northeast and upper Midwest in January, and you know this will be one intellectually stimulating and fun conference. Visit our web site at [www.TheAETS.org](http://www.TheAETS.org) and go from there.

I look forward to seeing each and every one of you as you help in making this the wonderful event that we have grown accustomed to. I also look forward to learning from you the many answers to our theme question, *Society is in the 21<sup>st</sup> Century—Where is Science Education?* JP



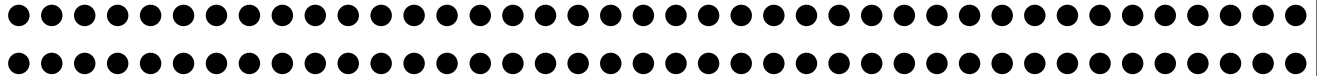
# 2003 Election Results are in!



President Elect  
Julie Luft

Directors at Large  
Meta Vansickle, Sherry Nichols

Elections Committee:  
Patti Simpson, Mark Guy



## New AETS Executive Secretaries

Walter S. Smith and Caryl Kelley Smith are assuming the duties of the AETS Executive Secretary from Jon Pedersen. Beginning the first of October, you can begin to send your membership renewals, special requests, and so forth to the Smiths. They can be contacted at:

Mail:

Walter S. and Caryl K. Smith, AETS Executive Secretaries  
Department of Biology  
Ball State University  
Muncie, IN 47306-0440



Phones:

Walter's Office: 765/285-8840  
Home and Caryl's Office: 765/288-9044

Email:

Walter's Office: [wsmith@bsu.edu](mailto:wsmith@bsu.edu)  
Home and Caryl's Office: [eelslake1@aol.com](mailto:eelslake1@aol.com)  
(Note that just before @ is a "one")



Walter has been active in AETS, NSTA and other science education organizations. Caryl brings a wealth of organizational experience from her key leadership roles in higher education administration and professional organizations.

# 2003 AETS International Conference

## Society is in the 21st Century: Where is Science Teacher Education?

January 29-February 2, 2003, St. Louis Hyatt at Union Station, **St. Louis, Missouri**

The North-Central Region is pleased to host the 2003 AETS International Conference in St. Louis, Missouri from January 29 to February 2. The goal of the conference is to provide as many opportunities as possible for building and sustaining professional networks and for interactive sessions among participants that focus on current and future issues in science teacher education. Please note that the majority of sessions are formatted for interactive roundtables and discussions.



### Overview of Conference

Wednesday afternoon/evening and Thursday morning *Pre-conference workshops*

Thursday night *"Welcome to St. Louis AETS Opening Night reception."*

Thursday through Saturday *concurrent sessions and keynote addresses*

Sunday Morning *Post-conference workshops*

*And, Possible tours/on-site visits may include the St. Louis Zoo, Historical Society, Art Museum, Science Center, the Arch and Museum of Westward Expansion.*

**New members, new researchers,  
graduate students!**

Be sure to check out the opportunity for you to share proposals and research ideas with colleagues at the AETS conference

*New Member Reception*  
(next page)



### About the St. Louis Hyatt

The conference hotel is the Hyatt Regency St. Louis at Union Station, One St. Louis Union Station, St. Louis, MO 63013, Phone: (314) 231-1234, FAX: (314) 923-3971.

GUEST ROOM RATES: Single Occupancy \$129.00; Double Occupancy \$129.00; Triple Occupancy \$154.00; Quadruple Occupancy \$179.00

**Deadline for group reservation** is December 29, 2002 at 12:01 a.m. Reservation requests received after the cut-off date will be accepted on a space and rate availability basis up to the Group block. *Association for Education of Teaching of Science participants should make reservations via individual telephone calls to the hotel. All room reservation requests must be guaranteed with a major credit card or one night's deposit (room and tax).*

**Check-in/ check-out-** the Hyatt Regency has a check-in time of 3pm and a check-out time of noon. Luggage storage arrangements can be made with the bell captain. Departure dates are reconfirmed at check-in and are subject to a fee if changed after the check-in process is completed.

**Audio visual-** Swank audio visual is the preferred vendor of the Hyatt Regency St. Louis. Orders can be placed directly with them at 314-231-1234 ext. 7221.

**Parking-** The Hyatt Regency does not own any parking lots . Valet parking is handled by ambassador parking. Self parking is handled by central parking. Overnight valet parking is \$15.00, and overnight self parking is available for \$9.00 with "in and out" privileges.

## *AETS 2003 at Union Station*

### **About Union Station**

The conference will be held at the Saint Louis Union Station, a National Historic Landmark with an expansive 11.5 acre train shed that features the conference hotel (Hyatt Regency at Union Station), a unique marketplace of shops, assortment of fine restaurants and cafes, live entertainment and a lake with boats. Please visit <http://www.slfsp.com/UnionStation.html> for more information regarding nearby restaurants, attractions and entertainment in the Union Station area.



### **About St. Louis Transportation**

St. Louis is easily accessible. Airlines serving this airport are Air Canada with United, America West, American, Comair, Continental, Delta, KLM with Northwest, Northwest, Skyway, TWA, TW Express, United, USAir, Big Sky, and Southwest. For all the information you'd ever want to know about St. Louis Lambert International Airport, go to <http://www.lambert-stlouis.com>

Transportation to and from the airport: The Metrolink fast rail system is available for \$3 leaving Lambert Airport and \$1.25 for the return trip from Union Station to Lambert Airport. Metrolink has a stop at Union Station located approximately 100 meters from the Union Station Mall/Hyatt Hotel entrance. A shuttle service from Lambert Airport to downtown hotels is available from 7/8am-5/6pm from Lambert Airport (exit near the baggage claim area). Taxi service is available but rather expensive (around \$35-40 one way).

### **A Special Opportunity for Graduate Students, New Researchers, New Members, and First Time Attendees at AETS 2003!**

If you are just setting foot in the realm of science teacher education research and would like to receive feedback on your ideas, research projects, dissertation topics, etc., the AETS International Meeting is the perfect place to bring your ideas, projects and topics, in a Poster format.

*The AETS Membership & Participation Committee invites you to share your ideas and plans during a 'New Member' Reception on the opening night of the AETS Annual Meeting. Bring a Poster to demonstrate your current ideas and plans and engage AETS members in a discussion that provides you feedback.*

**Please email a proposal of your plans, with your name and contact information, by November 22, 2002 to:**

*Max Dass [dasspm@appstate.edu](mailto:dasspm@appstate.edu)  
Assistant Professor  
Science Education & Biology*

*Department of Biology  
Appalachian State University  
Boone, NC 28608-2027*

**INTERESTED?**

## Newsletter Editor for the *Association for the Education of Teachers of Science*

The Association for the Education of Teachers of Science (AETS) is seeking applications for an Editor of the AETS newsletter. The duration of appointment is three and a half years, from June 2003 to December 2006. June to December represents a half year transition period to assist an incoming editor. Thus, the new Editor will assume the editing responsibilities of the AETS newsletter from summer 2003 to summer 2006.



The newsletter is published four times a year, and serves as a mechanism to disseminate information regarding the organization, awards, academic positions, and science teacher education. In addition, the newsletter contains short articles of interest to the membership.

Applicants for the position must have experience in publishing, reviewing documents, word processing, and electronic publications. The Editor is expected to be an active member and in good standing in AETS. The Editor will have a budget to cover mailing and printing of the newsletter, and will work closely with the Executive Secretary of AETS. In addition, the Editor will be expected to serve on the AETS Publications Committee.

Applicants should submit four copies or one electronic submission of a letter of application for the position, a vitae, and a letter of support from a Department Head or Dean by December 1, 2003 to the Chair of the AETS Newsletter Search Committee:

Julie A. Luft, Ph.D.  
Science and Mathematics Education Center  
1 University Station (D5705)  
Austin, TX 78712-0382

Additional information about the position can be obtained from:  
Julie Luft (jluft@mail.utexas.edu or 512-232-6204)

### **GENERAL BIOLOGY/SCIENCE EDUCATION: Elon University**

seeks applicants for a full-time continuing position as Assistant Professor starting in August 2003. Candidates must have a Ph.D. in biological science or biological science education and demonstrate excellence in teaching and scholarship. The successful candidate will be a broadly trained biologist who is interested in science pedagogy and committed to teaching non-majors, and must be willing to teach in the interdisciplinary general studies program. Teaching responsibilities include Topics in General Biology, General Biology Lab, and Science Without Borders, an integrated science course. Review of applications will begin December 15, 2002 and continue until the position is filled. Applications must be received by January 1, 2003, to be assured of consideration. Send letter of application, curriculum vitae, statement of teaching philosophy and scholarly interests, official copies of graduate transcripts, and three letters of recommendation to: Dr. Sandra Seidel, 2625 Campus Box, Elon University, Elon, NC 27244-2010. Candidates from under-represented groups are encouraged to apply. EEOE ([www.elon.edu](http://www.elon.edu))

## Science Education Position: Indiana University

Science Education: Tenure-track assistant professor starting August 2003. Responsibilities:

- teach and advise a diverse undergraduate and graduate student body
- develop/maintain a strong research agenda as evidenced by grant support and refereed publications
- supervise graduate student theses and dissertations
- provide national, state and local science education leadership

Applicants must have an earned doctorate (or completion expected in August 2003), with an emphasis in secondary science education, a strong background in science, and successful experience in integration of technology in secondary science curriculum. Screening of applications will begin November 1, 2002 and continue until the position is filled. Applicants should submit a letter of application explaining how qualifications fit position, vita, graduate and undergraduate transcripts, three letters of recommendation, and one to three examples of best scholarly work to: Professor Lee Ehman, Chair, Science Education Search Committee, 3276 W. W. Wright Education Building, Indiana University, 201 N. Rose Avenue, Bloomington, IN 47405-1006. Science education at Indiana University, Bloomington, has five full time faculty and 19 active doctoral students.

For more information about the program, visit <http://www.indiana.edu/~scied/>. For questions regarding the position contact Lee Ehman at [ehman@indiana.edu](mailto:ehman@indiana.edu) or 812.856.8139.

The faculty of Indiana University are committed to achieving excellence through cultural diversity. The university actively encourages applications and nominations of women, persons of color, applicants with disabilities and members of other underrepresented groups. As a function of our long range planning efforts the faculty of the School of Education reaffirmed our commitment to leadership in applications of technology to enhance teaching and learning. Candidates with expertise in the use of technology for research and instruction are encouraged to apply.

### ***For the Book Shelf***

In War and Peace: My Life in Science and Technology , by Guy Stever

404 pages, National Academies Press <http://www.nap.edu/catalog/>

Science came into Guy Stever's life as a pure and peaceful pursuit. It was only later, as he walked through the wreckage of wartime London that he began to see science as central to a desperate struggle to survive.

Past president of Carnegie Mellon University, former Chief Scientist of the U.S. Air Force, one-time Director of the National Science Foundation, professor at MIT for 20 years, member of the National Academies of Sciences and Engineering, and science advisor to two presidents...Guy Stever was a central figure in twentieth century science—consistently on the front lines, changing the fate of a nation.

Stever was intimately involved in America's nascent guided missile program—and was to remain a key player in the anti-ballistic missile defense program that heralded the era of the Cold War. He was instrumental in the formation of new institutions, from the creation of NASA in the post-Sputnik years to the merging of Carnegie Tech and the Mellon Institution, giving birth to Carnegie Mellon University. As Presidential Science Advisor to both Nixon and Ford, Stever shaped the very structure of contemporary presidential science advising. And he was to chair the oversight committee that redesigned the space shuttle boosters after the Challenger explosion.

Through Stever's eyes, we relive the history of the past 50 years, witnesses to a tale of science and technology that is revealing in its scope and sweep. NAP





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## ***The Association for the Education of Teachers of Science***

***Promoting leadership in, and support for those involved in  
the professional development of teachers of science***

### **AETS Newsletter**

Published four times a year by the Association for the  
Education of Teachers of Science

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Winter	Feb. 15
Spring	May 15
Summer	Aug. 15

*Please send items and suggestions for best serving you to:*

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jeff.weld@uni.edu  
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