

Nebraska Science News



Nebraska Academy of Sciences



Nebraska Association of Teachers of Science

Serving Scientists and Science Educators Across the State of Nebraska

Spring, 2012-2013

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FROM THE NAS PRESIDENTS' DESK

At the 2013 Nebraska Academy of Sciences Annual Meeting on Friday, April 19th at 11:00 am, the Maiben lecturer will be Bob Feurer. Bob is a 34- year veteran 7th through 12th grade Science teacher at North Bend Central and was the 2011 Nebraska Teacher of the Year. His presentation is entitled, "Making Students Smarter" using Habits of Mind.

Habits of Mind are a set of dispositions that describe individuals that behave intelligently. Art Costa and Bena Kallick have identified a set of 16 Habits of Mind that include: persistence, thinking flexibly, listening with understanding and empathy, questioning and posing problems, applying past knowledge to new situations, and remaining open to continuous learning. The Habits of Mind listed here remind me of the event I recently attended at the Center for Great Plains Studies Art Museum in Lincoln, NE titled "Conservation Jam—Saving the Plains in 3 Minutes". The format of the evening was that each of the 15 speakers had 3 minutes to present their arguments, ideas, pleas, calls to action, or solutions that would save the Great Plains. Among the speakers were Ken Dewey, UNL Professor of Climatology; Chris Helzer, The Nature Conservancy; Rick Edwards, Center for Great Plains Studies; Paul Johnsgard, Author and Ornithologist; Jane Kleeb, Bold Nebraska; and Brad Mellema, Nebraska Alliance for Conservation and Environmental Education. The event was very well attended by about 200 people. The diversity of ideas and lessons forwarded reflected the habits of mind mentioned above. The "Jam" was instructive to me in demonstrating that the citizens of the Great Plains can join together using both scientific information and evidence and human experiences to attempt to solve problems that affect us all and do so without political rhetoric or partisanship. I was

also reminded that this type of activity is part of the Objectives of the Nebraska Academy of Sciences.

Please plan to attend Bob Feurer's presentation at the NAS Annual Meeting in Olin Hall on the campus of Nebraska Wesleyan University, Friday, April 19, 2013 at 11:00 a.m. I am positive that you will benefit from hearing his lecture concerning Habits of Mind.

Ross Dinwiddie, NAS President

GREETINGS FROM THE NATS PRESIDENT

It is that time of year when the NATS board, especially the President –Elect is busy planning the next Fall Conference. It is a time to reflect on things that went well and items that need improved upon. The NATS board reads the surveys carefully discussing all the suggestions. One common thread that re-appears every year is the ability or lack of ability to readily connect to the Internet. We live in a technological age, smart phones, ipads, ipods, laptops, tablets, etc. where we can access information anywhere...well almost anywhere. There have been suggestions to move the Conference to another location, one that allows presenters and attendees full access to the Internet, the idea that this will improve what they get out of the conference. Recently I have been reading articles about the affects of technology overload on the brain. Scientists say juggling e-mail, phone calls, and other incoming information can change how people think and behave. They say our ability to focus is being undermined by bursts of information. (Richtel)

Think about how your life has changed as you add devices, do you find yourself distracted from conversations because you are constantly checking your phone? David Strayer, a psychology professor at the University of Utah, says that studying what happens when we step away from

our devices and rest our brains – in particular, how attention, memory, and learning are affected – is important science. “Attention is the holy grail,” Mr. Strayer says. “Everything that you’re conscious of, everything you let in, everything you remember and forget, depends on it.”(Richtel)

How does this research relate to NATS at Camp Calvin Crest? NATS is a great conference to not only hear great presentations but because of the lack of internet, it is also a place to really think about the information you acquire and how you can implement it into your classroom, it is a place to network with your colleagues and have that discussion without distractions about all the issues we face in education, from preparing for the NeSA tests to classroom management. I agree there are a lot of great tools to help us teach science and help students learn, and technology is just one of those tools, but like everything in science there is the human factor, the human coming up with ideas; don’t we owe it to our students to give our complete attention to what we are learning at a conference so they can receive the full benefits?

Works Cited

- Neal, Meghan. "How Unplugging From Technology Affects The Brain." *The Huffington Post*. TheHuffingtonPost.com, 16 Aug. 2010. Web. 18 Feb. 2013.
- Richtel, Matt. "YOUR BRAIN ON COMPUTERS; Hooked on Gadgets, and Paying a Mental Price." *The New York Times*. The New York Times, 07 June 2010. Web. 18 Feb. 2013.
- Richtel, Matt. "YOUR BRAIN ON COMPUTERS; Outdoors and Out of Reach, Studying the Brain." *The New York Times*. The New York Times, 16 Aug. 2010. Web. 18 Feb. 2013.

Mary Moser, NATS President



Junior Academy State Competition, April 19, 2013

Science Students Need You . . .

On Friday, April 19, 2013 the Nebraska Academy of Sciences (NAS) will host its annual meeting at the Nebraska Wesleyan University in Lincoln, Nebraska. The Nebraska Junior Academy of Sciences (NJAS) will host the 2013 State Science Competition during the NAS meeting. Some of Nebraska’s brightest young scientific researchers will assemble from six in-state regions to participate in an annual competition. Our hope is that some of you will be available to take part as one of our judges. If not you, maybe you know of someone who will find this experience

rewarding and of value. Students with research projects that rank among the top ten in the senior division will be invited to attend the American Junior Academy of Sciences (AJAS) and the American Association for the Advancement of Science (AAAS) meetings. The meeting will convene in February of 2014.

Make a Difference . . .

The young scientists participating in this competition are hungry for feedback from science experts. Without the participation and assistance of professional science community, it would be impossible to hold these competitions or to encourage our young scientists to continue to be involved in scientific research. If you are available to join us as a judge on April 19th, please contact Aurietha Hoelsing at beton@cox.net

Aurietha M. Hoelsing, President/State Director
Nebraska Junior Academy of Sciences
beton@cox.net

PRIVATE FOUNDATION GRANTS

Application deadlines for the NAS Private Foundation Grants are May 1st and November 1st. The application form is available on our website: www.neacadsci.org. Click on Private Foundation grants to find more information and an application form.

UNMC AWARDS

In recognition of the important contributions made by emerging scientists in the State of Nebraska, the University of Nebraska Medical Center (UNMC) will be presenting awards for Outstanding Biology/Biomedical Sciences Research for work presented at the 2013 Nebraska Academy of Sciences annual meeting. Ten college student finalists for the award will be selected based upon their research abstracts. These will be further evaluated for quality of both abstract and research presentation, and two students will be selected to each receive a \$500 prize. This award is sponsored by the Biomedical Research Training Program and the MD/PhD Scholars Program at UNMC. These two programs provide PhD training opportunities in the Biomedical Sciences in more than 130 research laboratories at UNMC.

PUBLIC INFORMATION AND EDUCATION MINI-GRANTS UPDATE

The Nebraska Academy of Sciences (NAS) received only three applications for the fourth quarter 2012 PIE minigrant program. Applications were received from Audubon Nebraska, Ecological Restoration Education; Pheasants Forever, INC., Using Time-Lapse Imagery to Enhance Conservation Education in Central Nebraska; and the Platte Valley Weed Management Area; Weed Management Summit. All three applicants received a grant.

The Nebraska Academy of Sciences, Inc. received 17 applications totaling \$41,156.99 for the first quarter 2013 Public Information and Education Mini-grants funded by the Nebraska Environmental Trust. Grant applications were submitted by: Keep Omaha Beautiful, Inc., Trail Litter Cleanup; Central Platte Natural Resources District, Prescribed Burn Educational Outreach; Grand Island Area Clean Community Systems, Recycle Containers Transport and Store; Community Crops, Sustainable Gardening Education; Riverside Discovery Center, Wetland Habitats, Aquatic Insects and Surface Water; Dawes Middle School & Nature Explore, Dawes Outdoor Classroom; NE Renewable Energy Systems, NRES Demo Booth for Grape-Waste Recycling at the NWGGA Trade Show; Children and Nature in Our Parks, Transporting Our Children Out-of-doors; Elmwood Motion Picture Co., Truck Farm Omaha; City of South Sioux City, South Sioux City Rain Garden Education Initiative; Board of Regents, UNL, Educating Students about Invasive Plant Species; Omaha North High Magnet School, Green Dream House; Rainwater Basin Joint Venture, Rainwater Basin Joint Venture Informational Seminar; Pheasants Forever, Central Loess Hills Newsletter; Willa Cather Foundation, Cather Prairie Ecological and Educational Goals; Lincoln Earth Day, Rain Barrel Workshop; and Omaha's HDZ and Aquarium, Engaging Young Children in Conservation Through the Natural World.

Applications were reviewed and seven grants were awarded for a total of \$17,313. Recipients were Central Platte Natural Resources District, Prescribed Burn Educational Outreach; Community Crops, Sustainable Gardening Education; Elmwood Motion Picture Co., Truck Farm Omaha; City of South Sioux City, South Sioux City Rain Garden Education Initiative; Rainwater Basin Joint Venture, Rainwater Basin Joint Venture Informational Seminar; Pheasants Forever, Central Loess Hills Newsletter; and Omaha's HDZ and Aquarium, Engaging Young Children in Conservation Through the Natural World. Please consider submitting an application for the second quarter 2013 grant period, due April 5th, 2013.

Grant forms and information can be found on our website, www.neacadsci.org. Click on NAS and then click on Grants and Scholarships.

The Nebraska Environmental Public Information and Education MiniGrant Program awards MiniGrants of up to \$3,000 each, to support the presentation and dissemination of information and perspectives that will stimulate enhanced environmental stewardship in any category eligible for Nebraska Environmental Trust (NET) funding. These categories are habitat, surface and ground water, waste management, air quality, and soil management. The grant expands dialogue on important current conservation topics and provides information on emerging or highly useful conservation methods. All Nebraska individuals, private organizations, and public entities are eligible to apply for these funds.

The Nebraska Legislature created the Nebraska Environmental Trust in 1992. Using revenue from the Nebraska Lottery, the Trust has provided over \$191 million in grants to over 1,400 projects across the state. Anyone – citizens, organizations, communities, farmers and businesses – can apply for funding to protect habitat, improve water quality and establish recycling programs in Nebraska. The Nebraska Environmental Trust works to preserve, protect and restore our natural resources for future generations. <http://www.environmentaltrust.org/>



The Nebraska Science News is a publication of the Nebraska Academy of Sciences, a private foundation associated with the American Association for the Advancement of Science.
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MAIBEN LECTURER BOB FEURER

Join us April 19th at 11:00 a.m. during the NAS Annual Spring Meeting. Our Maiben Lecturer will be Bob Feurer. Bob Feurer began his teaching career at North Bend Central right out of college in the fall of 1979. He has been a science teacher as well as filling many coaching responsibilities and sponsorships during his tenure. His classroom responsibilities have included Biology I and II, Anatomy and Physiology, General Science, Global Science, Earth Science, Science 7 and weight lifting.



His sponsorships over the years include seventh grade and junior class, Future Teachers of America and the North Bend Central Science club which has 67 members this year. He has been the curator of the Franklin-Cotterell Greens Arboretum, a Nebraska Statewide Arboretum Affiliate site found on the school grounds, for 20 years, acquiring over \$100,000 of funding for the site.

Bob has been a member of the Nebraska Association of Teachers of Science for his entire career and served as the president in 1997-98 after a stint on the board of directors in 1993-1995. He is a frequent presenter at the fall conference.

Feurer was the Nebraska Rural Community School Associations Secondary Teacher of the Year in 1992, a recipient of the Nebraska Presidential Award for Excellence in Math/Science Teaching in 1994 and the 1996 Tandy Technology Scholar Award winner. He earned the AKSARBEN Good Neighbor award for his work in the arboretum in 2009. He was selected as the 2011 Nebraska Teacher of the Year by the Nebraska Department of Education.

Bob's presentation will center on a program he introduced to North Bend Central, The Habits of Mind created by Arthur Costa and Bena Kalick. NBC is the only school in the state utilizing this program which gives students a strategy which will make them "smart". It applies to all disciplines, all ages and all professions and walks of life.

PRESIDENTIAL AWARD NOMINATIONS NOW OPEN

The Presidential Awards for Excellence in Mathematics and Science Teaching are the Nations' highest honors for teachers of mathematics and science. Awardees serve as models for their colleagues, inspiration to their communities, and leaders in the improvement of mathematics and science education. Since 1983, more than 4100 teachers have been recognized for their contributions in the classroom and to their profession. If you know great teachers, nominate them to join this prestigious network of professionals. Nomination deadline is April 1, 2013 for math and science teachers working in grades 7-12. Teachers can apply on line and their applications are due May 1, 2012. The Presidential Awards website is:

<http://www.paemst.org/controllers/home.cfc?method=view>

2013 NEBRASKA SCIENCE OLYMPIAD

The 26th Annual Nebraska Science Olympiad will be held April 20, 2013. Teams from across the state will be competing on the University of Nebraska's East Campus.

Registration form, event information, scoring policy, and home and school guidelines can all be found at the Nebraska Department of Ed – Science website. Follow the links to Nebraska Science Olympiad:
<http://www.education.ne.gov/science/NESOInfo.html>

NATIONAL SCIENCE OLYMPIAD AND THE ACADEMY

Nebraska has a rich tradition of participating in the Science Olympiad. For the past 26 years Nebraska's state tournament has hosted 600 students from over 50 middle and high school teams each year. The winning middle and senior high teams have represented our state at the National Science Olympiad competition. Nebraska will hold its 26th annual state tournament on April 20, 2013, and this would be a great time for interested folks and potential volunteers to learn more about this great science

event, as Nebraska will host the National Science Olympiad tournament in 2015.

For those who have not witnessed it, this competitive event functions like a track meet for specific science events. There are two major needs for Nebraska to successfully host the 2015 National Science Olympiad Tournament; volunteers and funding. The Executive Committee of the Academy has found this a worthy cause and will assist in finding volunteers and will provide fundraising seed money of \$10,000.00 per year for the next three years. The Academy plans to provide these funds out of the required foundational expenditures. The Academy gift represents a great start on the fundraising goal of \$150,000.00 to host the National Tournament. Academy members are encouraged to volunteer for this event and can contribute to the National Science Olympiad 2015 Tournament directly or through the Academy. If you would like to volunteer please contact Jim Woodland at Jim.Woodland@nebraska.gov. Those interested in donating please contact Elizabeth Mulkerrin at Elizabethm@omahazoo.com or me at Chris.Schaben@ops.org.

If you would like to learn more about the event please visit www.soinc.org or www.stateolympiad.org. Again, another great way to learn more about the National Science Olympiad is to volunteer your time to help at any of the next three State Science Olympiad events.

ACADEMY WEB SITE UPDATES

The new NAS/NATS/NJAS web site is up and working. NATS Fall conference attendees were able to register on line. You can also register on line for the NAS Annual Meeting in April. Payment can be made with a credit card or through Paypal. At this time presenters cannot register on line. Since they are submitting abstracts which must be approved the process for presenter registration is still done by mail or email.

Our newsletter is available to members and can be downloaded saving money and resources. The Transactions has been converted to on-line digital copy available through UNL Digital Commons as well as EBSCO Publishing. Publishing digitally will allow us to upload research articles as they are submitted resulting in more timely distribution of research information. For information about accessing or submitting Transactions articles go to our website: www.neacadsci.org. Click on NEWS; then click on Publications (found on the left side bar).

Fullbright Canada Scholarship Opportunities

Fulbright Canada, part of the worldwide Fulbright Program, supports focused academic exchanges between Canada and the United States. Along with joining the prestigious Fulbright network, all grantees receive a cash award (\$12,500 - \$25,000), a health benefit plan, a three-day orientation in Ottawa, and can apply for [enrichment opportunities](#) such as mobility funding (up to \$800) to participate in academic activities outside of their host region, the Alumni Internship Program, the Eco-Leadership Program and the Community Leadership Program.

Fullbright Canada is currently seeking applicants for our various research chairs, all valued at \$25,000 for one semester. Fulbright Canada offers an outstanding 43 different visiting research chairs which are available at 22 Canadian Institutions. Please visit the website with a catalogue of our awards:

<http://www.fulbright.ca/programs/american-scholars/visiting-chairs-program.html>

These chairs offer an extraordinary opportunity to scholars seeking to do comparative research in a welcoming and engaging environment.

We are also recruiting American scholars and students for our self-placed traditional awards that can be held at any institution across Canada. For more information about all of our awards, please visit our website at www.fulbright.ca. Please note that the deadline to apply for the 2014-15 academic year is August 1, 2013 for scholars and October 17, 2013 for graduate students.

- Flyers can be downloaded here:
American Scholars:
<http://www.fulbright.ca/programs/american-scholars.html>
- American Students:
<http://www.fulbright.ca/programs/american-students.html>

For general information about our programs, please contact me Kaitlyn Innes, Program Officer, Recruitment, Outreach and alumni Relations at kinnes@fulbright.ca. If you have specific questions about the Fulbright Visiting Research Chairs, please contact Brad Hector, Program Officer at Fulbright Canada, at bhector@fulbright.ca.

KICKS SUMMER INSTITUTES

The Nebraska Science Kicks₂ Summer 2013 dates and locations have been finalized. If you are interested in registering for one of the summer institutes or for more details, please visit the kicks2.org website or you may contact Deb Paulman at Educational Service Unit 16, 308-284-8481 or email dpaulman@esu16.org.

The Kicks₂ professional development institutes are designed to build teacher content knowledge, develop teacher skills with guided inquiry instruction, integrate instructional strategies that support diverse learners and develop a network of science educators across the state of Nebraska.

K-5 Elementary Kicks₂ Institutes:

Educational Service Unit 10, Kearney
June 17-20 and June 24-27
Omaha Henry Doorly Zoo
July 8-11 and July 15-18

Middle Level Kicks₂ Institute:

Cedar Point Biological Station, Ogallala
June 18-21 and June 24-27

6-12 Earth Science Kicks₂ Institute:

Millard West Senior High
June 10-13 and June 17-20

Educator Academy in the Amazon Rainforest + Machu Picchu

Hosted in the upper Amazon basin of northern Peru, the July 2-11, 2013 Educator Academy is a cross-curricular professional development workshop for K-12 formal and informal educators to learn and use:

- **21st Century Instruction:** 5E Lesson Design, Inquiry-Based Exploration, STEM Problem-Based Learning
- **Inquiry Protocols:** Project Learning Tree, GLOBE, Project Noah
- **Global and Cultural Perspectives:** Service Learning, Sustainability, Global Education

Join Dr. Mo Walters, ASU; Al Stenstrup, Project Learning Tree (PLT); Christa Dillabaugh, Amazon Rainforest Workshops; and work side-by-side with scientists Dr. Steve Madigosky, Widener University; and Randy Morgan, Curator/Entomologist, Cincinnati Zoo. The Amazon experience is a real world lens through which to view global issues as -- climate change, global health, sustainable development, energy, population, water, quality of life and the meaning of service. Experience:

- a 1/4-mile Rainforest Canopy Walkway and research on Weather and Climate Change

- interactions with Indigenous Yagua, Riberenos and a Village Service Project
- ReNuPeru Ethnobotanical Garden and problem solving inspired by Biomimicry
- Monkey Island Conservation Project

PLT Certification and PD Hours included. Academic Credit and Machu Picchu Extension optional. Land cost is \$1985, plus air. \$1000 scholarship deadline is March 8. Land cost is \$985 for scholarship winners. Open registration through April if space is available. See Syllabus on Webpage: <http://www.amazonworkshops.com/educators--naturalists.html> (case sensitive). Contact christa@amazonworkshops.com or 1-800-431-2624.

MAst – Master of Arts with an Emphasis in Science Teaching

The University of Nebraska–Lincoln's Teaching, Learning and Teacher Education Department has successfully implemented a 14-month program designed to transition science professionals and graduates into middle and high school science teaching. There is a considerable shortage of highly-qualified STEM teachers, especially in Physics, Chemistry and Earth Science. The next cohort will start classes in May 2013.

The Master of Arts with an emphasis in science teaching (MAst) is a 14-month science teacher education program. Strong science coursework (BS and MS degrees) and professional experience working in science fields provides a critical foundation for teaching secondary science. The MAst program offers a rigorous teacher education for certification in Nebraska schools and internships with local master teachers.

Prospective applicants are also eligible for a NSF Robert Noyce Teacher Scholarship, which provides a \$12,000 stipend that covers the cost of in-state tuition and fees for the program. This funding is awarded on a competitive basis. It is likely that there will be some scholarships still available after the original February 1, 2013 deadline, so please consider applying to the program by the March 1, 2013 UNL graduate programs deadline.

Learn more about the MAst program and the NSF Robert Noyce Teacher Scholarship (<http://cehs.unl.edu/tlte/graduate/masters/MAst.shtml>), or contact program director Dr. Beth Lewis (elewis3@unl.edu) or program assistant Aaron Musson (aaronmusson@gmail.com) UNL Department of Teaching, Learning & Teacher Education with your questions.

SUNWISE SHADE POSTER CONTEST

Last year, over 12,000 students learned about sun safety and UV radiation by submitting posters to the SunWise with SHADE poster contest. We are looking forward to another great contest this year and invite your students to participate for the chance to win a shade structure for their school and a family trip to Disney World. Poster submissions are due **April 1, 2013**.

The contest is organized by the U.S. Environmental Protection Agency SunWise program and the SHADE Foundation of America to teach children about the science of UV radiation and sun safety. Please join us in spreading the word about this contest and raising awareness of the importance of sun safety. More information is available at www.shadefoundation.org/poster-contest.php.

REMINDERS

- 1) **Register to attend the 2013 NAS Annual Meeting.** This is our 123rd Annual Meeting and our 133rd Anniversary Year. General Registration fee is \$60 which includes membership, student registration fee is only \$15 and student dues are still \$10. Please consider attending this year, the registration form is included in this newsletter. You can also register on line from the Events tab on our website: www.neacadsci.org. We will have over 200 scientific presentations of original research from students, faculty, and industry representatives from across the state.
- 2) **Consider volunteering to judge at The Nebraska Junior Academy of Sciences state competition** which will be meeting at the same time as the NAS meeting. Top science students from six regions across the state bring their projects to Wesleyan to compete for top state honors. Winners are eligible to attend the American Association for Academies of Science annual conference.
- 3) **Think about attending the awards reception celebrating NJAS student achievement**, as well as high school and collegiate scholarship, presenter awards, and the NAS Friend of Science.
- 4) **Do you need funds for a special research project?** Application due date for NAS Private Foundation grants is May 1 and November 1. Forms are available on the web site. Grant maximum is \$2000.00.
- 5) **The next Public Information and Education mini-grant deadline is April 5th.** Grants are awarded in any amount up to \$3000.00.
- 6) **Consider signing up to attend a KICKS₂ Summer Institute at kicks2.org.**
- 7) **Learn more about the MAst program and the NSF Robert Noyce Teacher Scholarship**-deadline is March 1st. Contact Aaron Musson (aaronmusson@gmail.com) UNL Department of Teaching, Learning & Teacher Education with your questions

NAS SPRING GENERAL REGISTRATION FORM

THE NEBRASKA ACADEMY OF SCIENCES, 123rd ANNUAL MEETING AND AWARDS RECEPTION, APRIL 19, 2013
NEBRASKA WESLEYAN UNIVERSITY
50th AND ST. PAUL, LINCOLN, NE

PLEASE: REGISTER BEFORE THE MEETING. WE WOULD LIKE TO SAVE YOU TIME AND
AVOID CONGESTION AT THE REGISTRATION TABLE.

Name _____
Mailing
Address _____

City/State _____ ZIP _____
Area _____ Daytime
Code _____ Phone # _____

E-mail address: _____

REGISTRATION FEE \$ _____

\$ 15 Students w/ ID

\$ 60 Member Registration, includes dues

\$ 25 Members Reg, 2013 dues previously paid

\$ 60 Registration, non-members

\$ 25 Life Members

DUES

\$ 10 Students w/ ID \$ _____

\$ 35 General membership, NOT
attending the meeting

CONTRIBUTION* \$ _____

LUNCH TICKET \$ _____

@ \$ 7.50 each

AWARDS RECEPTION TICKETS \$ _____

@ \$ 15 each

TOTAL \$ _____

MAKE CHECKS PAYABLE TO:

THE NEBRASKA ACADEMY OF SCIENCES or NAS

302 MORRILL HALL, 14th and U STREETS

LINCOLN, NE 68588-0339

nebacad@unl.edu

(402) 472-2644

_____ I plan to attend the **MAIBEN MEMORIAL LECTURE**, 11:00
a.m., Olin Auditorium B, Bob Feurer, Making People Smarter Using
“Habits of Mind”.

_____ I plan to attend the **LUNCH** (use the cafeteria line and pay there
or send in payment and receive a ticket)

_____ I plan to attend the **AWARDS RECEPTION** at 5:45 p.m., April
19, First United Methodist Church, 2723 N 50th St. (The Talent Search
Winners and other Outstanding Science Students from high schools of
Nebraska as well as scholarship winners will receive their awards
during the reception.)

**PLEASE INDICATE WHETHER YOU WISH TO GO
THROUGH THE LUNCH LINE AND/OR ATTEND THE
AWARDS RECEPTION, NO LATER THAN APRIL 4TH.**

*Contributions are tax deductible; dues and registration are not.

To Pay with a Credit Card please complete the following:

Circle: Visa, MC, Discover

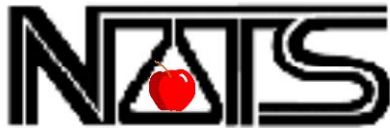
Name on Credit Card _____

Credit Card Address if different _____

Credit Card Number _____

Three digit security code _____ Expiration Date _____

Fax: (402)472-8899



NATS PROGRAM PROPOSAL

2013 Fall Conference
September 26-September 28, 2013

www.neacadsci.org

FOR OFFICE USE ONLY

Session Type _____
Day _____
Time _____ Length _____

NOTE: All Presenters are asked to register for the Conference. Registration fee is \$95, includes membership.

Please complete a registration form and include with your program proposal.

CAMP CALVIN CREST DOES NOT HAVE INTERNET ACCESS. PLEASE PLAN ACCORDINGLY FOR YOUR PRESENTATION

Please Type or Print (legibly in black) Information as You Wish It to Appear in Convention Program

Principal Presenter

Second Presenter

Name _____ Dept. _____ School/Business _____ Preferred Mail Address _____ City _____ State Zip(+4) _____ Phone: Work _____ Home: _____ Fax _____ Email _____

NOTE: For any additional presenters, please include the information requested above on an additional page.

Session Data

Session Title _____
Brief Description (50 words or less) _____

State Standard(s) Address in Presentation Please list Standards in the following form: 4.7.4 or 8.2.1 or 12.3.2. It is recommended that in your presentation you include assessment ideas for the standards you address. This is absolutely necessary!

NATS Bookstore Item The NATS bookstore can arrange to sell publications from the NSTA catalog. If appropriate, provide the Title and Author of an NSTA catalog item that closely links to your presentation. Presenters may also sell publications during their presentation time.

I have a publication suggestion for the NATS bookstore that is linked to my presentation.
Title: _____ Author(s): _____

Description of Session Types (Check One that describes your presentation):

- Demonstration: Presenter demonstrates a series of experiments, scientific phenomenon or an apparatus used in science. Limited audience participation. Theater-style setup.
Hands-On Workshop: Presenter involves audience with materials. Classroom-style setup.
Make It Take It: Hands on activities where participants leave with product to take back to classroom. Classroom-style setup.
Field Trip: Can be at Camp Calvin Crest or transported to another site. (Minimum of 2 hours). Include transportation plans.
Contributed Paper: Presenter shares results of research or shares a creative teaching strategy. Theater-style setup.
Short Course: A 2-3 hour session/workshop that may include in depth information on a topic or hands-on experience that requires more than a single session.

Length of Session:

- Three Hour Thursday Afternoon Workshop (1:30 – 4:30)
- One Hour - (the standard length presentation)
- Two Hour –

Please Mark your choice:

- Friday Only
- Saturday Only
- Friday or Saturday

Science Area: (Check only one for listing in final Program.)

- | | | | |
|---|---|-------------------------------------|---|
| <input type="checkbox"/> Biology/Life Science | <input type="checkbox"/> Physics/Physical Science | <input type="checkbox"/> Integrated | <input type="checkbox"/> Elementary |
| <input type="checkbox"/> Chemistry | <input type="checkbox"/> Environmental Science | <input type="checkbox"/> Inquiry | <input type="checkbox"/> Technology |
| <input type="checkbox"/> Earth/Space Science | <input type="checkbox"/> General | <input type="checkbox"/> Assessment | <input type="checkbox"/> Science/Technology/Society |

Intended Audience:

- K-3
- 4-6
- Middle/Junior High
- Senior High
- Post Secondary
- All

Maximum number of participants for your session? (Room assignments based on space availability)

- 15 or fewer
- 16 - 30
- 31 - 50
- No Preference

AV Equipment: (NOTE: Equipment not listed below is to be provided/arranged by the presenter.)

- Screen

Fees may be charged for the cost of materials only. Presenter(s) are responsible for collecting fees for the session.

- The fee for this session is \$_____.
- There is no session fee.

Fee pays for:_____

Repeat Session:

Would you be willing to present your session twice? YES NO

Safety Issues

As a NATS presenter, you must comply with the "Minimum Safety Guidelines to NATS Presenters and Workshop Leaders" and you must agree to comply with the guidelines during your presentation. This compliance form will be sent when we send you the program confirmation letter.

Special Room Arrangements: Normal arrangements will include tables and/or chairs unless otherwise requested. Special set ups dependent on availability of resources. List any special needs you will have:

Only the *principal presenter* will be contacted concerning confirmations. All correspondence will be sent to the email address of the principal presenter. The principal presenter must share information with his/her co-presenter(s).

If you or any member of your team would like an administrator, division chief, etc. notified of your participation post-conference, please indicate below. Use additional sheets if necessary. Be certain to designate which presenter's administrator, etc. matches with which presenter if there is more than one presenter in your group.

Name _____	Name _____
School _____	School _____
Position _____	Position _____
Address _____	Address _____
City _____	City _____
State, Zip (+4) _____	State, Zip (+4) _____

**Return one copy of this proposal by August 1, 2013:
(later proposals will be accepted only as space allows)**

**NATS
302 Morrill Hall, 14th and U Streets
Lincoln, NE 68588-0339
nebacad@unl.edu
402/472-2644**

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_____ Regular	\$35
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_____ Sustaining	\$36 - 50
_____ Contributing	\$51 - 100
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_____ I wish to make a contribution of	\$ _____
_____ Silver Institutional/Corporate	\$ 200
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Web site: <http://www.neacadsci.org>

The Academy, NATS, NJAS and the Affiliated Societies of the Academy promote the DEVELOPMENT OF SCIENTIFIC RESEARCH AND SCIENCE EDUCATION THROUGHOUT NEBRASKA. Science education includes grades kindergarten through 12th, colleges (including community colleges), and universities.

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Gold Institutional/Corporate Memberships are \$500.

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