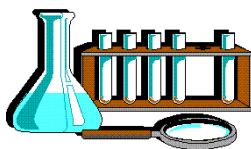


MSTA

Newsletter



Mississippi Science Teachers Association

May 4, 2013

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2013 MSTA Fall Conference

October 27 - 29, 2013

At the Marriot Hotel in Jackson, MS

Our theme is: (CSI)

CAPTIVATING SCIENCE IDEAS

For Hotel reservations call:

1-601-969-5100

(Be sure to mention MSTA when you make your reservations.)



Submit Proposals For MSTA Conference

WE NEED YOU

Please go to [2013 Electronic Submission Conference Proposal Form](#) to submit a proposal to present at the Fall Conference.

Deadline September 25, 2013

Modeling Method of Instruction Physical science and chemistry workshops

- April 25 – May 8, 2013 Science Matters Network in Michigan eBlast
- Lab: Oreo-Cookie Plate Tectonics
- **Professional Development:** Institute for Marine Mammal Studies
- **Professional Development:** PHY 610 - Astronomy For Teachers
- **Workshop:** MAST Flyer (\$4000 and more)
- **Workshop:** MAT-PD
- **Award:** Outstanding Undergraduate Science Teacher

Internet Sources For this issue I decided to move the Internet Sources to a separate file. This should shorten the download time and make the printing easier to handle. I hope you like this change. Let me know what you think. Click the link and a new file will open.

Russell C. Davis Planetarium program

will be Sunday, October 27th, at 6:00 for teachers who attend the Mississippi Science Teachers Conference. This planetarium program may be a part of CEU's, if you sign up for CEU's. We will have the name of the program at a later time but the program will be for Science teachers both elementary and secondary as well as college.

Mississippi Science Teacher's Facebook Page

If you do Facebook, you need to join the conversation at [https://www.facebook.com/groups/172664236127055/400962879963855/?ref=notif¬if_t=group activity](https://www.facebook.com/groups/172664236127055/400962879963855/?ref=notif¬if_t=group_activity)

More and more posts are just being published on the Mississippi Science Teacher's page. We will continue to publish some on the listserv too but less and less of the total content will be published on the listserv. All you have to do, if you Facebook, is to click join at the top right of the page. It won't be long until we have approved you.

Want to get your MSTA News faster?

Join the [MSTA Listserv](#) and the [Mississippi Science Teachers](#) Facebook page. All of the information in the Internet Resource section of this newsletter was gleaned from these two sources. Go to the instructions on joining the listserv by clicking on the links above.

MSTA Fall Conference - What a Bargain!!

This is what you get for your registration fee—

- Conference registration (access to over 100 sessions on science)
- MSTA T-shirt
- Lunch on Tuesday (Awards Luncheon)
- MSTA Dues for one year.
- MSTA Reception and Auction
 - Free entry to the MS Museum of Natural Science exhibits
 - Heavy hors d'oeuvres and beverage
- Program at the Russell C. Davis Planetarium.
- And do not forget the six publications per year, Facebook page, and listserv to keep you up-to-date on Science Education opportunities.

Presidential Post:

It is springtime, and we are all ready for the summer. Do you have the days left marked on your calendar? You have worked hard this year and deserve to relax. If you plan to do as little as possible this summer, then I encourage you to explore our state. If you visit the coast and you haven't visited the new Infinity Center, it is a must for the summer. While you are in that area, visit The Institute for Marine Mammal Studies in Gulfport. Bring plenty of mosquito repellent if you walk at the Gulf Islands National Seashore – or anywhere in the state. Planning to be in the central area? The Mississippi Museum of Natural Science gives you a state-wide experience with its system of aquaria and dioramas. Check out the Mississippi Children's Museum and the Russell C. Davis Planetarium while you are in town. In Tupelo you should visit the Tupelo Automobile Museum and of course, the birthplace of Elvis. As you head in different directions, check out the local state parks. My personal favorite is Tishomingo State Park. Visiting (and camping!) in the parks are a good way to unwind. Not into camping? There are cabins for rent! Unplug your family for the summer and explore nature. As much as I'd like to have a summer, my calendar is booked. If you are like me, you look for opportunities during the summer that will extend your content knowledge, gather CEU credits or learn new strategies. We science teachers have the most wonderful opportunities presented to us. Many of these do not cost us money, and better, they provide stipends! Locally we have programs through the University of Mississippi Medical Center will present the Summer Research Institute (<http://basepair.library.umc.edu/sri/sri.htm>) and Jackson State University will again conduct MAST (<http://143.132.8.23/projectmast/>). NASA has programs ready for teachers (<http://education.ssc.nasa.gov/workshops.asp>). Each university in our state has summer teacher enrichment programs. Contact the nearest one to you to find out more. This does not mean you should limit yourself to the state. An internet search will lead you to dozens of programs around the nation. No matter how you choose to spend your summer, enjoy yourself!

Sincerely, *Betsy Sullivan, President*

President Elect Post:

As the school year ends, I know that most of us feel like the person at the circus that keeps all the plates spinning on the top of poles, trying desperately to keep them from falling. As you "spin the plates" of school, home, community and personal responsibilities, take some time to take care of yourself and to plan for next year.

As I plan my summer, I try to do what I taught my children—something academic, something athletic (even if it is a daily walk), something in an art or music area, something for others, and something totally fun, in addition to all of the things I "have" to do.

Academically, I will attend and present some workshops. As I choose professional development activities, I try to find something to increase my knowledge and to make me a more effective teacher. Now that Next Generation Science Standards have been released, I will spend some time making sure that I am covering the material I need to cover and that I am prepared for the curriculum changes I will need to make.

Many years ago, I made a commitment to myself that I will continually revise my lesson plans and my methodology so that I offer my students the foundation they will need for the future. I challenge you to do the same.

As you make plans for the fall, mark October 27-29, 2013 on your calendar for our MSTA conference. MSTA conferences provide content knowledge, ceu's, entertainment, renewing acquaintances, and new friends.

Sincerely, *President Elect Ann Huber*

Johnette Davis Bosarge

It is with a broken heart that I write about our former colleague. On Wednesday, March 13, 2013, Johnette Bosarge died unexpectedly and without warning. Johnette had fallen and broken her knee cap two weeks prior and she had had corrective surgery. Surgery was successful and recuperation was going well. On March 12, Johnette had a great doctor's report and the staples had been removed. All looked good and mending was a sure thing. On the following morning Johnette's oldest daughter and a registered nurse, Jessica came to check on her mom. Jessica found her mom unresponsive. Much was done to revive Johnette.

On Saturday, March 16, 2013, a beautiful memorial service and tribute was held for Johnette in her home church of Bonnie Chapel United Methodist Church, in Vancleave, MS. There was a two hour visitation period before the service. Attendance was in the hundreds. Friends and associates from around the state and country flocked to pay their respects and admiration for this dear person.

Johnette Bosarge served on our MSTA board as treasurer and chair of the Convention Registration Committee. She also served as a vital board member for the Southeast Area Marine Educators Association, the administrative assistant for the National Marine Educators Association and was the administrative assistant to Dr. Sharon Walker, the Director of Education and Outreach at the Institute of Marine Mammal Studies in Gulfport, MS.

Johnette was married to Paul Davis. She was the mother to Jessica Bosarge Clifford and to Paula Bosarge McQueen. Johnette was a vital member of her own Davis family and to the Bosarge family.



She was a vital member to her church and community. She and her husband gardened fresh vegetables. She canned and cooked.

It is not enough for me to say that Johnette was a vital family member, friend, and contributing member to all that she participated in. She is already missed by us in MSTA and by all of her family, friends and associates. There are multiple human beings trying to take on all the roles and responsibilities Johnette accomplished. Those jobs will get done eventually. The hole in our hearts left by Johnette will be the hardest and take the longest to fill.

Following is an excerpt from "The Purpose Driven Life". I place it here as a tribute to

Johnette Davis Bosarge.

"Ready or not, someday it will all come to an end. There will be no more sunrises, hours or days. All the things you collected, whether treasured or forgotten, will pass to someone else. Your wealth, fame and temporal power will shrivel to irrelevance. It will not matter what you owned or what you were owed. Your grudges, resentments, frustrations, and jealousies will finally disappear."



So, too, your hopes, ambitions, plans, and to-do lists will expire. The wins and losses that once seemed so important will fade away. It won't matter where you came from or on what side of the tracks you lived, at the end. It won't matter whether you were beautiful or brilliant. Even your gender and skin color will be irrelevant.

So what will matter? How will the value of your days be measured? What will matter is not what you bought, but what you built, not what you got, but what you gave. What will matter is not your success, but your significance. What will matter is not what you learned, but what you taught. What will matter is every act of integrity, compassion courage or sacrifice that enriched, empowered or encouraged others to emulate your example. What will matter is not your competence, but your character. What will matter is not how many people you know, but how many will feel a lasting loss when you're gone.

What will matter is not your memories, but the memories that live in those who loved you. What will matter is how long you will be remembered by whom and for what. Living a life that matters doesn't happen by accident. It's not a matter of circumstance but of choice. Choose to live a life that matters."

Johnette, we are feeling a lasting loss. You chose to live a life that mattered. We love and miss you!

Respectfully submitted,
Belinda McKee Matlock

Ann Huber Remembers Johnette: Johnette Bosarge gave of herself to others. She will be missed as a friend, a coworker, and as an adviser to me. I could always count on Johnette for a quick, accurate response. Johnette was so efficient that we do not realize all the ways she will be missed. I continue to keep her family in my prayers.

2012 Mississippi Science Award Winners



From Left to Right:

- Outstanding College Science Teacher-Joe Sumrall
- Herb Handley Outstanding New Teacher-Brandi Herrington
- Outstanding Informal Science Teacher-Chris Breazeale
- Outstanding Middle School Science Teacher-Debbie Martin
- Fred W. Brown Outstanding High School Science Teacher-Kathy McKone
- Distinguished Science Teacher-Dennis Reed

2012 Mississippi Science Award Winners

Herb Handley Outstanding New Science Teacher

Brandi Duncan-Herrington, Armstrong Middle School, Starkville, Mississippi is the Herb Handley Outstanding New Teacher. Brandi realizes that each day is an opportunity to learn as well as to teach. She is a dedicated life-long learner, consistently researching and gathering information to keep her a highly motivated teacher.

Brandi has created a Wikispace to assist her in teaching her students. The Wikispace provided both students and parents access to her classroom calendar, assignments, tutorials, simulations, virtual labs, online games, class documents, flash cards and other teaching tools. She also uses the Wikispace for intervention, extensions, and remediation.

Brandi says that she “inherited” educational veins, thick with talent, passion, and dedication. She has used that background as a foundation and continues to build her teaching skills through professional developments such as ATOMS^{2xp}, Project MAST, and MSTA participation.

Outstanding Middle School Science Teacher

Debbie Martin, Florence Middle School, Florence, Mississippi is the Outstanding Middle School Teacher. Debbie challenges her students in creative and innovative ways, seeking to “make their brains hurt”. Her personal motto is to “Be an educational leader who embraces growth with enthusiasm and excitement.” She strives to learn something about her students, the content she is teaching and about herself as an educator each year.

Debbie has been involved in several professional development activities involving both science and literacy. She has written and received several grants, including a grant titled *It’s Alive/Connecting Literacy With Science*.

Debbie states that each year she revisits old theories and analyzes new ones so that she can build on what works and add new tools to improve what doesn’t work, an eclectic combination that makes her the teacher she is today.

Fred W. Brown Outstanding High School Science Teacher

Kathy McKone, Enterprise Attendance Center, Brookhaven, Mississippi is the Fred W. Brown Outstanding High School Teacher. Kathy hosted the first Princeton Satellite in Mississippi which provides cutting edge biotech equipment and training for students and teachers. She recently hosted her twelfth Princeton Satellite Training workshop for teachers. Kathy has transformed her training into resources and opportunities for rural Mississippi students.

Kathy also established Mississippi’s first *Wolbachia* Rodeo. High schools, community college, and University of Mississippi Medical School worked together to make the event a success.

Kathy was awarded the Presidential Award of Excellence in Mathematics and Science Teaching in 2011. Kathy has been active in her personal professional development and providing professional development for others.

Outstanding College Science Teacher

Joe Sumrall, University of Mississippi, Oxford, Mississippi, is the Outstanding College Teacher. Joe describes teaching as a complex and multiple tasked endeavors. In his early years of teaching, he learned to peak student interest by providing purpose and relevancy to subject matter. Joe continues to build the confidence of his students as they learn to teach science. Joe’s classroom strategies include motivating students using both humor and the students own personal interests.

Joe is a prolific writer who has had many articles published in national journals. He has written a workbook and a textbook and is currently writing a book that focuses on the relationship between science, technology and society and the new national science education standards.

Joe continues his own professional development through his research and his attendance at NSTA, MSTA, and other national and international professional associations.

Outstanding Informal Science Teacher

Chris Breazeale, Institute for Marine Mammal Studies, Gulfport, Mississippi, is the Outstanding Informal Science Teacher. Chris uses his position to interest students in understanding the natural world and to instill a sense of environmental stewardship. Chris looks at the world through the eyes of an educator, seeking better ways to train others.

Chris developed an early interest in the study of life in the ocean. Growing up on the Mississippi Gulf Coast, he had opportunity to explore coastal habitats, beaches, bays, and bayous at an early age. He has worked in the area of marine science since he was a teenager.

Chris has a great appreciation for education. He worked full time as he attended college, persevering until he graduated. He is currently enrolled in the science education doctoral program at the University of Southern Mississippi.

Distinguished Science Teacher

Dennis Reed, Mississippi School for Math and Science, Columbus, Mississippi is the Distinguished Science Teacher. Dennis considers his most satisfying accomplishment his students. As his students reach personal goals, many of them continue to look to him for guidance, inspiration, motivation, and encouragement. Dennis's office is known as a safe place to share confidences and to receive a gentle reproof that motivates or a word of praise that inspires. Dennis truly gives his students tools that will help them survive as they move beyond his classroom.

Dennis has earned many teaching awards, including the Fred W. Brown Outstanding High School Teacher, 2007, the Scott Barr Award for Excellence in Physics Teaching from the University of Alabama; Mississippi Hall of Master Teacher Inductee, Mississippi University for Women. Dennis has been active in professional organizations and often spends his summers in summer workshops and continuing education programs.

Dennis chose to be a teacher so that he could provide leadership and be a role model in his community. As a Distinguished Science Teacher, he is accomplishing that goal as he molds his students so that they can prepare to follow his example and be role models and leaders in their communities.

Mississippi 2013 International Science and Engineering Fair Finalists

The MS SEF was held on March 26, 2013 at Jackson State University under the direction of Region II Director, Joe Whitfield.

Kelly Riley, Executive Director of the Mississippi Professional Educators (MPE), awarded each of the science teachers whose students were named ISEF finalists or alternate a \$50 gift card from the MPE Board of Directors.

Jo Anne Reid, made arrangements with Mike Thomas, Executive with North American Coal, to provide jackets for all finalists and alternates to wear to the ISEF opening ceremonies and entertainment events.

Best of Fair

- Shreya Mathur - Oxford High School - Key Teacher - Marni Herrington
- Manuela Portilla, Cleveland High School - Key teacher - Connie Sterling

Region I University of Southern Mississippi

- Christopher Jenkins - Hattiesburg High School - Key Teacher James Brownlow
- Wisam Buti – Oak Grove High School Key Teacher - Megan Fortenberry

Alternates

- Evan Jones, Ramya Murali, and Sarah Garriss - Petal High School – Key Teacher – Kristen Holmes
- Gillian Purser, Kris Dossett, and Courtney Ginnell - Petal High School – Key Teacher – Kristen Holmes

Region II Jackson State University

- Marina Ali – St. Andrews Episcopal School – Key Teacher Sandra Hindsman
- Raveena Aggarwal– St. Andrews Episcopal School – Key Teacher Sandra Hindsman
- Aritra Biswas – St. Andrews Episcopal School – Key Teacher Sandra Hindsman
- Jarian Cottingham – St. Andrews Episcopal School – Key Teacher Sandra Hindsman

Region III Greenville Weston/Delta State University:

- Eric Gardiner and Kevin Wise, St. Joseph High School - Key teacher Eddie Dennis
- DiBiase and D. Stevens– St. Joseph High School - Key teacher Eddie Dennis

Region IV North Eastern Community College

- Michaela Cooper, Mantachie High School – Key Teacher Greg Smith
- Cecilia Dean, Tishomingo County High School – Key Teacher Malcolm Brown

Region V Mississippi State University

- Wenhao "David" Yan-Mississippi School of Mathematics and Science-Key Teacher Don Bratton
- Jennifer Bigley-Ackerman High School-Key Teacher Jo Anne Reid
- Katalin Jones – Ackerman High School – Key Teacher Jo Anne Reid

Region VII University of Mississippi

- Taide Ding - Oxford High School - Key Teacher - Marni Herrington
- C. Tenua – Oxford High School – Key Teacher – Marni Herrington
- Tyhendreon Wilson – Reed Resource Center



Scholarship and Grant Opportunity

Otis Allen Criteria

1. Request a scholarship application (national or regional) from the scholarship chairperson).
2. Requests must be received two months prior to the national convention or regional meeting to be attended.
3. A person may receive a scholarship once in three to five years.
4. Earliest application received will receive first consideration.
5. Each recipient will receive scholarship monies as partial expense reimbursement after submitting a copy of their registration and a letter signed by his/her principal stating that the recipient attended the meeting.

To request a scholarship application, contact the chairman of the scholarship committee. Send the request to the following: Minnie C. Parham, Chairman, Otis Allen Scholarship Committee 402 Bell Avenue, Greenwood, MS 38930, Email: minnieparham@bellsouth.net

R. C. Roberts Grant Form

The R. C. Roberts Fund was initiated to honor Mr. Roberts, a long-time science supervisor in the Mississippi Department of Education and assist teachers in developing outdoor classrooms, nature centers, or nature trails at their respective schools. Maximum funding that can be obtained by one teacher from one school at a particular time is \$100. Applications for funding must show that additional funds from sources other than R. C. Roberts have been obtained to support the proposed project. This may be “in kind” support as well as monetary. Individuals who receive support from the R. C. Roberts Funds may apply for additional funding provided a period of three years has elapsed since the original funding was granted.

Guidelines for the R. C. Roberts Fund

Individuals interested in applying for funding should get an application form the Newsletter or request an application form from the Executive Officer or President of the Mississippi Science Teachers’ Association. The completed application must be attached to the proposal and returned to the Executive Officer. The Executive Officer will assemble a committee of at least three individuals involved in science education who will examine the proposal and recommend funding status. The decision of the review committee to fund or reject the proposal is final.

R. C. Roberts Grant Form

Name: _____

School: _____

School Address: _____

Phone: _____

Principal: _____

1. How long have you been at the school? _____

2. What do you plan to do with the money? _____

3. List the materials and cost of supplies for this project. _____

4. Where is this project located in relationship to the school? _____

5. Do you have the support of the principal? _____ other teachers? _____

If so, name/s. _____

6. What kind of monetary or “in kind” support do you have? List. If “in kind” support is provided, estimate its monetary value. _____

Complete the grant form and attach the proposal and return to: Bess Moffatt, MSTA Executive Officer, 1510 Oldfield Road, Gautier, MS 39553

Confronting the Challenges of Climate Literacy

A Summer Workshop for High School Teachers

Mississippi State University, Starkville, MS

Monday June 17 – Friday June 21, 2013

Understanding the complexity and interconnectedness of Earth's natural cycles across various time and spatial scales is key to understanding our planet's climate. Join us for a week at Mississippi State University to learn about three new high school curriculum units* that address these topics and how you can incorporate them into your science classes. The new Web-based curriculum units will be freely available to you and are designed to enhance classroom learning by allowing students to explore the topics in a variety of modes, including hands-on activities, video interviews with scientists, group work, self-guided examination of scientific data, and class discussions.

Participants receive 4 CEU's and a \$250 stipend for completing the workshop. Accommodations, a light breakfast, and a lunch will be provided daily at no cost to participants.

Space is limited to 25. Interested Mississippi teachers will receive first priority through February 28, 2013.

After that date, unfilled spaces will be made available to teachers from other states.

For more information and to apply, visit:

http://serc.carleton.edu/earthlabs/MSWorkshop_about

Questions? Call Dr. Karen McNeal at Mississippi State University (1-662-268-1032)

E-mail: ksm163@msstate.edu

*** *Climate and the Cryosphere: Earth's Frozen Waters***

How do Earth's glaciers, ice bergs, and ice sheets affect Mississippi's climate? The complexity of Earth's interconnected system is highlighted in this unit as students learn about the cryosphere's dynamic nature and the positive and negative feedback systems that play a critical role in shaping our planet's climate.

*** *Climate, Weather, and the Biosphere***

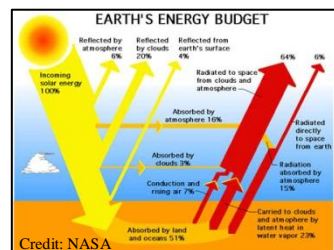
Earth's atmosphere not only provides us with life-supporting oxygen; it helps maintain our planet's temperature range, which shapes life on Earth as we know it. Students learn about various temporal and spatial scales at which weather and climate occur, and the interactions of the Earth's system at local, regional, and global scales that drive our weather and shape our climate.

*** *Climate and the Carbon Cycle***

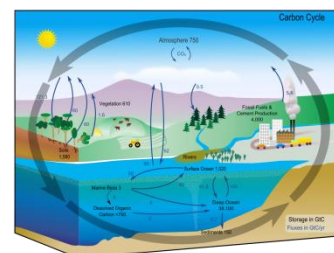
Carbon cycles through the Earth system on time scales that vary from fractions of a second to hundreds of thousands of years, and is as essential to the phytoplankton as it is to the Giant Sequoia. Air bubbles from ice cores reveal the dynamic history of atmospheric carbon across the past 600,000 years, and help scientists establish the long-term history of the carbon-climate connection.



Credit: Mila Zincova



Credit: NASA



**Fauna, Flora and Coastal Habitats
(A TOTE Workshop)
2013 Teacher Professional Development
June 17-19, 2013
Sponsored by
Mississippi Department of Marine Resources
U.S. Environmental Protection Agency-Gulf of Mexico Program
Grand Bay National Estuarine Research Reserve**



Basic Information:

- **Open registration for Mississippi science teachers.**
- **Field based experiential learning activities.**
- **Overnight accommodations available if needed.**
- **Substitute teacher pay if required.**
- **CEUs available for a nominal fee.**
- **Classroom resources.**
- **Workshops limited to 18 participants.**
- **Location Grand Bay National Estuarine Research Reserve, Moss Point, MS.**
- **No registration fees required.**

For additional information contact Shelia A. Brown (shelia.brown@eagles.usm.edu).

**Mississippi Department of Marine Resources
2013 Teacher Professional Development Workshop
Fauna, Flora, and Coastal Habitats**

Registration Form

Full Name: _____ **Date:** _____

Address: _____ **City/State/ZIP:** _____

Home Phone: _____ **School Phone:** _____ **Cell Phone:** _____

Email Addresses: _____

School Name: _____

School Address: _____

Grade(s) and Course(s) you teach: _____

Male: _____ **Female:** _____

Send completed registration form and any questions to shelia.brown@eagles.usm.edu.

Teachers driving a significant distance to the workshop will be provided overnight accommodations. Please check if you need accommodations. _____ Sunday and Monday night _____ Monday night only

Please read the following liability statement, then sign and date this form to complete your registration.

I release from any and every liability, claim, right of action of any kind or nature which I or my legal representative may have for any and all bodily or personal injuries or property damages or any other damages resulting therefrom which might occur during participation in this program, any host institution(s) or the representatives(s) thereof, and the management or owner(s) of any physical facility in which the program is conducted. I have read the above instrument and fully understand its intent.

Signature

Date

Witnessed

Date

I do _____ I do not _____ give permission to be photographed during the workshop for educational promotion or other non-commercial purposes.

Signature

MAIL, EMAIL, OR FAX TO: Rick Ranew, Grand Bay NERR, 6005 Bayou Herron, Moss Point, MS 39562-8097
Work Phone 228.475.4047 Fax 228.475.8097

Workshop location: Grand Bay National Estuarine Research Reserve
6005 Bayou Heron Road
Moss Point, MS 39562

2013 Engineering Camp

When: June 9 - 14
for rising 7th - 9th
June 16 - 21
for rising 10th - 12th
Where: University of Mississippi
Cost: \$125 per camper
\$50 for campers who receive free or reduced lunch

The Center for Mathematics and Science Education will host Engineering Camp for rising 7th to 12th grade students.

Students will spend a week on the beautiful campus of the University of Mississippi where they will engage in various aspects of engineering.

The camp will be developed by the UM Mechanical Engineering Department and will focus on types of energy. The campers will build wind turbines and use them during the week to test wind energy.

In addition, the campers will participate in the Rebel Challenge course on campus, and visit a local industrial plant to see Engineering at work!

Applications can be found on our website at <http://cmse.olemiss.edu/engr>

Contact STEM Outreach Coordinator

Susan Peterson at shpeters@olemiss.edu or [662-915-6621](tel:662-915-6621)



Delta State University College of Education and Human Sciences Awarded \$924,000 Mathematics and Science Partnership Grant

The College of Education and Human Sciences at Delta State University has been awarded a \$924,000 Mathematics and Science Partnership Grant through the Mississippi Department of Education...

Contact: Communication and Marketing

Contact Email: com-mark@deltastate.edu

Workshop

Flyer

More information
here.



Photo: L to R- Joyce McNair, Director of the Delta Area Association for the Improvement of Schools; Leslie Griffin, Dean of the College of Education and Human Sciences; Ann Huber, Delta Math Science Partnership Initiative Project Director; and Clifton Wingard, Chair of the Mathematics Department in the College of Arts and Sciences.

The College of Education and Human Sciences at Delta State University has been awarded a \$924,000 Mathematics and Science Partnership Grant through the Mississippi Department of Education and U.S. Department of Education. The three-year Delta Math Science Partnership Initiative will target professional development for middle level mathematics educators, primarily in the Delta region.

Dr. Leslie Griffin, Dean of the College of Education and Human Sciences, in announcing the award, cited the need for additional training for teachers as they implement Common Core State Standards. "We are partnering with the Department of Mathematics in the College of Arts and Sciences, chaired by Dr. Clifton Wingard. Also committed to the project are a group of group of professional mathematics and science educators including Ms. Joyce McNair, Director of the Delta Area Association for the Improvement of Schools (DAAIS); Dr. Katharine Rasch, Unit Assessment Director for the College of Education and Human Sciences; and Mrs. Ann Huber, E-Learning Physics Teacher and Project Director. Each is distinguished in his/her respective field for not only strong content knowledge, but the ability to transfer this knowledge through creative and focused teaching strategies. This team will have primary responsibility for developing the curriculum for the project. The grant will also identify program faculty and coaches with expertise in the area," said Griffin.

Area middle school mathematics teachers may apply to attend either of two initial institutes planned for June 2013, either the week of June 3-14 or June 17-28. Teachers who attend the training should expect to increase not only their depth of content math knowledge, but also skill in utilizing professional supports as vehicles for strong integrated lessons and improved math achievement. Teachers interested in applying for the institute may seek additional information by contacting the Project Director, Ann Huber, at ahuber@deltastate.edu or call 662.846.4400.

NEW Teacher Workshop Announced

Mississippi State University
Bagley College of Engineering
Division of K-12 Outreach

Mission Intermodal Excellence

Mission Intermodal Excellence is a dynamic new curriculum for the middle level student (grades 4-8) to explore Intermodal Transportation through a variety of hands-on project based learning activities. Teachers who attend the MIE training will learn the advantages and challenges of using intermodal transportation for moving goods and people through the global networks of roads, rail, ships and air transportation.

Participating teachers will receive instruction on implementing activities as well as develop their own learning through instruction and field trips to better understand intermodal transportation to locations such as Federal Express hubs, Tenn Tombigbee lock and dam system, and local railways systems. Additionally, a variety of teaching activities and materials will be shared to allow teachers to share the highly effective and relevant curriculum in their own classroom that can be easily differentiated as needed. Culminating activities will be student competitions asking students to propose solutions to issues of transportation safety and intermodal planning.

Teachers will receive activity supplies, stipend and instructional materials. Housing and meal costs will also be provided as needed.

For more information contact visit the following website: <http://www.bagley.msstate.edu/outreach/new-teacher-program-mission-intermodal-eggcellence>

Christina McDaniel

Region V MSEF Coordinator

Bagley College of Engineering
Mississippi State University
200 McCain Hall, Mailstop 9544
Miss. State, MS 39762
Office [\(662\)325-8511](tel:6623258511)

OUTSTANDING UNDERGRADUATE SCIENCE TEACHER

Nominations are being sought for the 2014 Outstanding Undergraduate Science Teacher Award (OUSTA) presented by the **Society for College Science Teachers** (SCST), an affiliate of the National Science Teachers Association (NSTA). This year's award is also co-sponsored by Springer Science+Business Media. A nominee need not be a member of the SCST. Nominations may be made by colleagues or students and self-nominations are also encouraged!

The purpose of the OUSTA is to recognize the achievements of our teaching colleagues who have enhanced the profession as exemplary teachers of science. This annual award is based upon a selection process that evaluates nominees according to the following ranked categories: 1) teaching excellence; 2) scholarship; and 3) service. For details regarding the nomination and application process, visit <http://www.scst.org/grants/ousta>. **The deadline for application materials is June 1, 2013.**

Please send names of potential nominee/applicants to csandler@mich.edu . SCST follow-up, providing further materials and details about the application process. We are also interested in hearing from you if you are considering self-nomination so that we can guide you through the process.

Please consider applying for this award and/or identifying your colleagues who are outstanding undergraduate science teachers so that they might be encouraged to apply for the 2014 OUSTA. The award includes a cash prize, membership in SCST and NSTA, travel stipend to attend the next two year's national conferences, and more. The awardee will be responsible for delivering a brief luncheon talk about science teaching at the NSTA/SCST conference in Year One and a lecture about a topic of their choosing in their own discipline in Year Two.

Questions? Email csandler@umich.edu

Please help us get the word out about the nomination period by forwarding this email to colleagues who may be interested.

SCST Website: <http://www.scst.org/>

Free Stuff!! (From Beth Dunigan)

Several people have emailed me about getting the free stuff we handed out at NSTA. Well, sorry, most of it was given out, but here are some options:

1. You can download free the installer (Mac or PC) for the "Space Weather" software. You can get there at http://mms.rice.edu/mms/index_spaceweather_cd.php

(If you want a physical disc, you can get it free just by paying shipping at:

<http://spaceupdate.com/store/software.html>)

2. You can download the tetrahedron model (and the Trigger saddle) free from

http://mms.rice.edu/mms/index_tetrahedron.php

3. You can get to more MMS free stuff from the GSFC MMS E/PO site

<http://mms.gsfc.nasa.gov/education.html>

4. There are tons of neat NASA materials for teachers at "NASA Wavelength" - organized by topic, grade level, etc... amazing.

<http://www.nasawavelength.org>

5. You can download free the "We Choose Space" movie and the educational activities associated with it here:

http://www.spaceupdate.com/?shows/ddome/we_choose_space/we_choose_space.html

CAVEAT...

The newly released Obama budget for FY 14 takes away ALL NASA MISSION E/PO funding.

So, we may not be able to give away such good stuff anymore.

I'll use a later email to let you know of the consequences and how you might help....

But, the bottom line is, if that cut continues, you may not get all the great materials you are used to getting.

Enjoy your spring (if you have it by now....)

As always, if you want to unsubscribe, just reply to me with "unsubscribe" in the subject line...

But you'll miss out on a lot of fun....

Prof. Patricia H. Reiff, Associate Director for Outreach, Rice Space Institute, Rice University MS108, Houston, TX 77251-1892,
email: reiff@rice.edu (713)348-4634 www: <http://space.rice.edu/reiff>

Hello Educators,

The **Institute for Marine Mammal Studies** will be hosting a professional development workshop for formal and informal educators on June 7-8 at our facility in Gulfport, MS. Participants will learn about global climate change, sea level rise, and ocean acidification. Every educator that completes the workshop will receive a \$100 stipend and will be eligible to receive 1 CEU credit (at a charge of \$20) through MS State University. And those who are driving from more

than an hour away, will be able to stay at a local hotel free of charge. These workshops serve as an exciting way to earn CEUs and enhance your content knowledge regarding climate change. Those participants who attended the workshop this April will not be eligible for this workshop, but if you were one of those teachers, please help us to spread the word. You will find the attached registration form for your convenience.

Take care,

Chris Breazeale

Assistant Director of Education and Outreach

Institute for Marine Mammal Studies

Center for Marine Education and Research

10801 Dolphin Lane

Gulfport, MS 39503

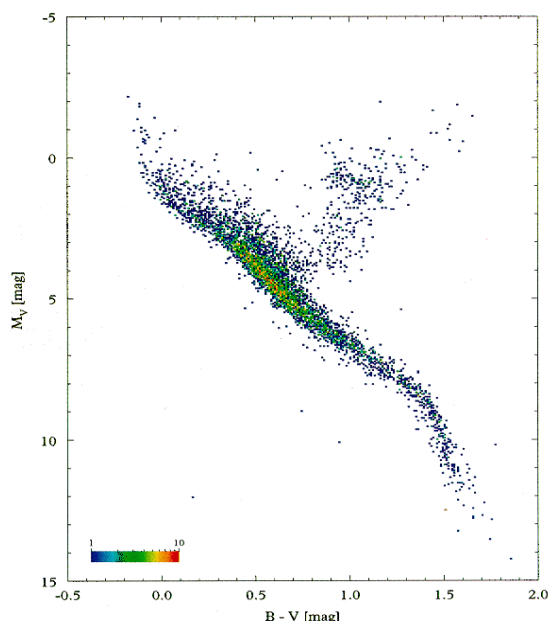
Phone: [228-701-1767](tel:228-701-1767)

Fax: [228-701-1771](tel:228-701-1771)

www.imms.org

PHY 610 - Astronomy For Teachers

Summer 2013
Dr. Christopher Sirola



We offer a hands-on course for teachers looking to bolster their knowledge & skills in astronomy:

- Develops lesson plans and capstone projects
- Aligned with standards
- Taught by an astronomy education expert
- Kinesthetic & observational-based exercises

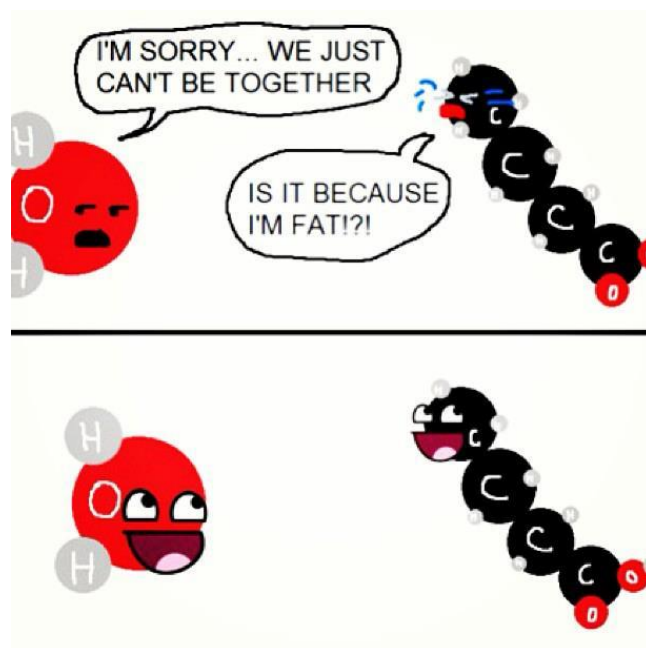
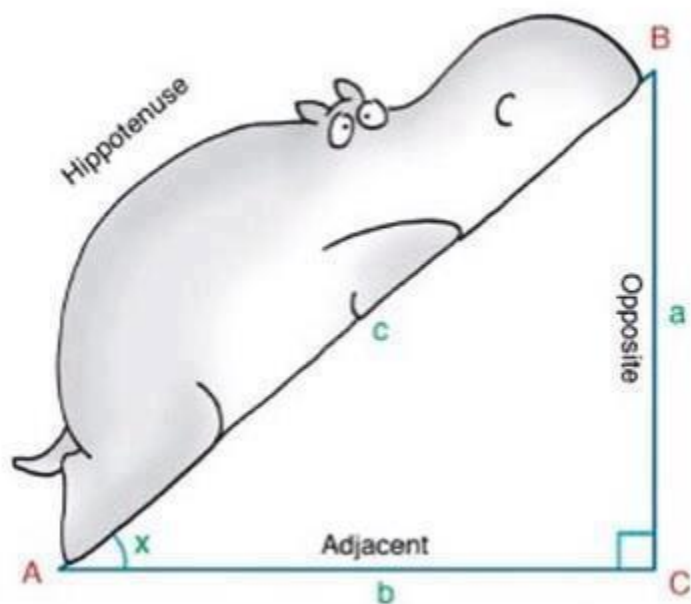
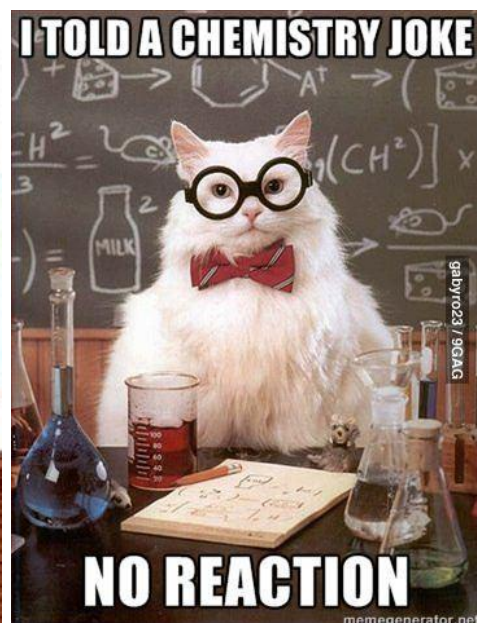
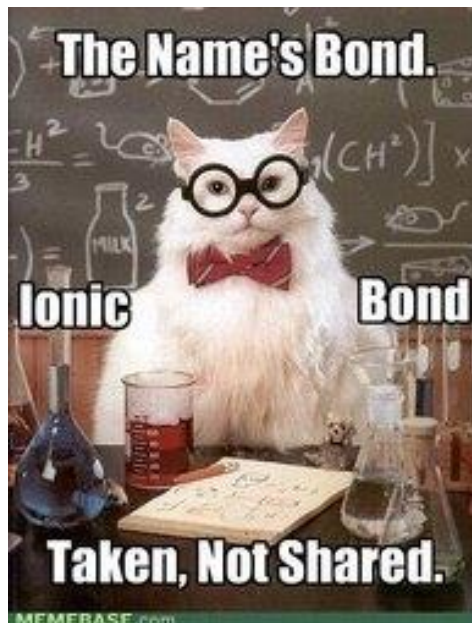
The course emphasizes practical experience in astronomy in addition to theoretical knowledge.

Meeting times will be adjusted to best meet the needs of the students. We may also include on-line instruction. This course



Please contact Christopher.Sirola@usm.edu for more information.

The Corner of Just for Fun:





**The best teachers
are those who
show you where
to look but don't
tell you what to
see.**

~Alexandra K. Trenfor

TEACHING
IS LIKE TRYING TO HOLD 35 CORKS
UNDERWATER AT ONCE.

~MARK TWAIN



**Busy
Teacher** ORG

This is why science teachers aren't allowed to monitor recess...



Why Study Science?

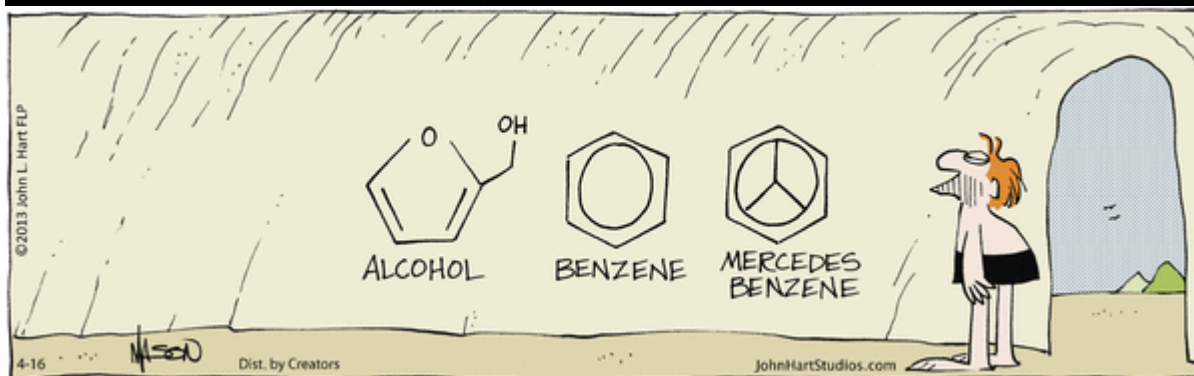
"...goal is to assure that our citizens know enough about science

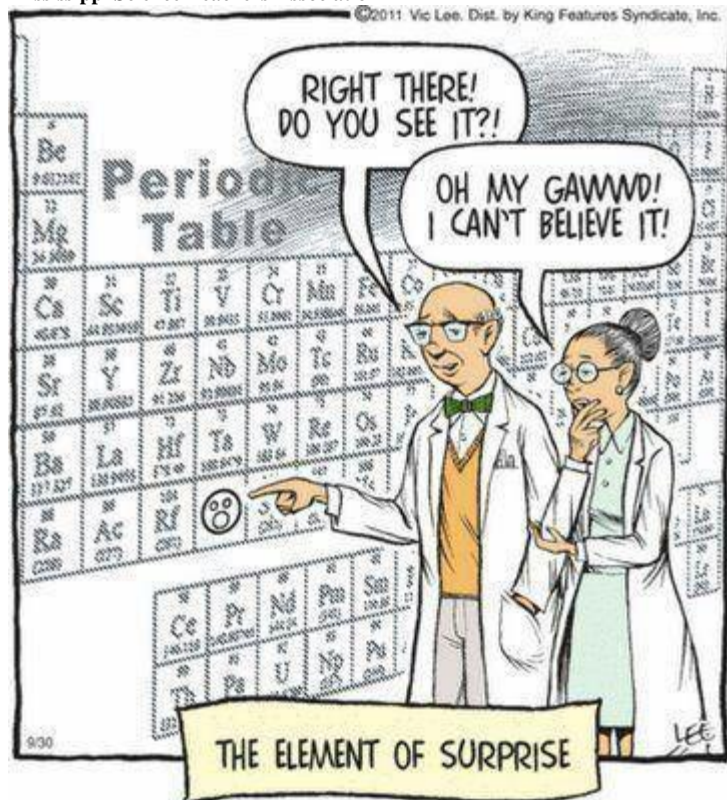
- so that they can tell the difference between sense and nonsense, between science and pseudoscience
- so that they can distinguish the possible from the impossible, the probable from the improbable
- so they can understand both the powers and the limits of science and technology
- so they are not at the mercy of experts - or worse, of charlatans posing as experts
- so they can be participants, not victims, in our increasingly and irreversible technological society."

I think that this [quote](#), from David S. Saxon, Honorary Chairman of the Corporation, Massachusetts Institute of Technology makes [a good](#) case for the importance of studying science.

Redneck Medical Terms

- Artery.....The study of paintings.
- Benign.....What you be after you be eight.
- Bacteria.....Back door to cafeteria.
- Barium.....What doctors do when patients die.
- Cesarean Section.....A neighborhood in Rome.
- Catscan.....Searching for Kitty.
- Cauterize.....Made eye contact with her.
- Colic.....A sheep dog.
- Pain.....Getting hurt at work.
- Medical Staff.....A Doctor's cane.
- Morbid.....A higher offer than I bid.
- Nitrates.....Cheaper than day rates.
- Node.....I knew it.
- Coma.....A punctuation mark.
- D&C.....Where Washington is.
- Dilate.....To live long.
- Genital.....Non-Jewish person.
- G.I.Series.....World Series of military baseball.
- Hangnail.....What you hang your coat on.
- Impotent.....Distinguished, well known.
- Labor
- Secretion.....Hiding something
- Seizure.....Roman emperor.
- Tablet.....A small table.
- Terminal Illness.....Getting sick at the airport.
- Tumor.....More than one.
- Urine.....Opposite of you're out
- Varicose.....Near by
- Enema.....Not a friend.
- Fester.....Quicker than someone else.
- Fibula.....A small lie.





MSTA CONVENTION ADVANCE REGISTRATION FORM

2013 MSTa Annual Convention October 27-29, 2013

Marriott Jackson, Jackson, MS

IMPORTANT NOTES:

- Each person attending the annual convention must complete a separate form.
- Spouses must file separate forms.
- Convention attendees must wear their nametag to gain admission to all convention activities.
- **Early Bird Advanced registration deadline is Wednesday, October 9, 2013 (applications MUST be postmarked by October 9th for early-bird "free" t-shirt).**
- **Continued Advanced registration (no t-shirt) can be made through October 18 (postmarked date).**
- **For hotel reservations:** Marriott Hotel-Jackson, Mississippi (Phone: 601-969-5100)
Cut-off-date for rooms is September 28, 2013)

<p>1. REGISTRATION INFORMATION (PLEASE PRINT)</p> <p>Name _____</p> <p>School/Organization (for convention badge) _____</p> <p>PROFESSIONAL ADDRESS</p> <p>Address _____</p> <p>City/State/Zip _____</p> <p>School Phone _____</p> <p>Grade(s) and/or subjects that you teach: _____</p> <p>_____</p> <p>HOME ADDRESS</p> <p>Address _____</p> <p>City/State/Zip _____</p> <p>Home Phone: (____) _____</p> <p>E-mail Address please print carefully: (If you have a personal email address you may want to use it so if you change schools your newsletters and communications will follow you.) _____</p> <p>_____</p> <p>* On-site registration fees will be \$5.00 higher and does not include T-shirt.</p> <p>** Teachers who are also part-time graduate students must register at the Member/Nonmember rate.</p> <p>Send completed form and payment to: MSTA - Aleta Sullivan, Registrar PO Box 588 Poplarville, MS 39470 email: aleta@peoplepc.com and I will let you know by email when I receive your registration</p>	<p>2. REGISTRATION FEES*</p> <p>Full Program (Mon. & Tues.) Rates</p> <p>___ Member/Non-member \$70.00</p> <p>___ Undergraduate/Graduate Student \$25.00</p> <p>___ Non-teaching Family/Guest/Spouse \$35.00</p> <p>These Include the Awards Luncheon on Tuesday.</p> <p>___ OR ___ Daily Admission: [Check the day(s)]</p> <p>Monday, October 28 only:</p> <p>___ Member/Non-member \$40.00</p> <p>___ Full-time Undergraduate/Graduate Student \$15.00</p> <p>___ Non-teaching Family/Guest/Spouse \$20.00</p> <p>Tuesday, October 29 only:</p> <p>___ Member/Nonmember \$70.00</p> <p>___ Full-time Undergraduate/Graduate Student \$25.00</p> <p>___ Non-teaching Family/Guest/Spouse \$35.00</p> <p>The Tuesday registration fee includes admission to the Awards luncheon.</p> <p>Total Payment \$ _____</p> <p>Make checks payable to MSTa</p> <p>Early Bird Advanced Registration fee includes T-shirt. MUST be postmarked by 10/09/2013.</p> <p>No registration refunds for registrations after 10/04/2013</p> <p>T-shirt size: _____</p> <p>FOR OFFICIAL USE ONLY</p> <p>___ Personal Check ___ Cash</p> <p>___ School Check ___ Purchase Order</p> <p>Amount Received: _____</p> <p>By: _____ Date: _____</p>
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MSTA on the Internet: Join us at the **MSTA Listserv** by visiting this site <http://lists.ms-meca.org/mailman/listinfo/msta> and filling out the form found there. Visit our website at www.MS-Scienceteachers.org. The listserv and website are services provided for MSTa members at no additional cost. Don't forget the MSTa Wiki space at <http://msta.wikispaces.com>. Websites and more can be found here. MSTa on Facebook: Join [Mississippi Science Teachers](#) page on Facebook. Please send information on workshops, announcements, other matters of interest to our membership to me,

Deborah Duncan, 1402 Golf Course Rd., Philadelphia, MS 39350 or email me at deb50duncan@gmail.com

MSTA Membership Application

Mississippi Science Teachers Association cordially invites you to become a member.

To do so, please complete the items below. Return completed form and the \$10.00 annual membership fee (\$5.00 student) to:

Melinda Miller, Treasurer

Mississippi Science Teachers Association,

PO Box 588

Poplarville, MS 39470

Email address: Please print and use your personal address.

Name: _____
Last First Middle Initial

Home Address: _____
Street or Box City State Zip

Name of School or Institution: _____

Work address: _____
Street or Box City State Zip

Grade Level: Circle the correct grade K 1 2 3 4 5 6 7 8 9 10 11 12 College Informal

E-mail address if you have one: _____

Subject(s) Taught: _____