

20th Annual ACS Chemistry Open House & SCIENCE EXPLORATION GALLERY at Texas A&M University

American Chemical Society National Chemistry Week Celebration
October 20, 2007

WEBSITE: WWW.CHEM.TAMU.EDU AND CLICK ON CHEMISTRY OPEN HOUSE

Start your wonderful chemistry experience here in the foyer outside Room 100 CHEM at the Welcome Table staffed by Judy Ludwig, and First Year Chemistry students. You should

- Pick up this schedule, (which you've already done!),
- a bag of **chemistry goodies**, with a fun magazine (Turn over for listing of all the goodies)
- a map showing TAMU dining facilities. Just before you go to eat, you can get a coupon for \$1 off at the Welcome Table for any open eating establishment on campus, including Sbis dining hall, thanks to TAMU Dining Services.
- extra ACS publications and other items are available to teachers and interested parents.

There are **THREE** showings of **The Chemistry Road Show** featuring fires, explosions, weird polymers, super cold materials and other things to amaze you in Room 100 Chemistry at 10am, 12noon and 2pm (Dr. John Hogg, Michelle McNeil, Sarahlilly Hicks & Marisa Jones). Highly recommended for all ages. Get your ticket for fun science door prizes as you enter Room 100. The drawing will immediately follow each show. Many of our demos & goodie bag items can be obtained at Educational Innovations (www.teachersource.com)



Demos and Fun Activities 10:00am – 3:00pm in Chemistry's New Wing



Go outside, go down the stairs toward the 3 round brick fountains (called H₂O fountain - it's a chemistry thing) and turn right (north). Follow the signs and sandwich boards. Turn right at Ross St. The entrance into the new wing is on your right. Dr. Tatiana Erukhimova and Ms. Bonnie Schiller will be helping to keep things running smoothly.

Second Floor of New Wing: (☞ Activities with this symbol are available on a walk-in basis)

- ☞ **Science Activities "In the Hall"**: Hands-on demonstrations by the Chemistry research groups of Drs. Marcetta and Don Darensbourg, Dr. Emile Schweikert, Dr. Christian Hilty, Dr. David Bergbreiter plus other TAMU student groups including Student Engineering Council, Biomedical Engineering with Dr. Grunlan, TAMU Student Chapters of the Health Physics & the American Nuclear Societies
- ☞ **Hands-On Polymer Activities and Nail Painting with Sunlight Sensitive Polish** Rooms 2213 and 2215. Drs. Pennington, Gopalakrishnan and Ponnampuruma, with Ms. Carrie Nichols plus student volunteers.
- ☞ **More Fun with Student Engineer's Council**: Rooms 2204 and 2206.

First Floor of New Wing:

- ☞ **ROOM 2102 "See, Touch and Think" Chemistry Demos** (Chem 116 students with Drs. Eric Simanek, Joanna Pellois and Holly Gaede and College Station teacher, Jan Fechhelm)
- ☞ **ROOMS 2104, 2121, lobby and outside - Physics Demonstrations to Amaze You including the "Physics of Sports"!**
- ☞ **Hall past 2104 - "Insulation - What Keeps Your Soda Colder?" and "Your Name in Marble"** (Thom Jose & Blinn College volunteers, **Weird Polymers** (Graduate Student Honor Society-PLU), **Rocket Balloons** (ACS Student Affiliate), **AICHe's Chemical Car** (Chemical Engineering))
- ☞ **ROOM 2101 "Mutation Station: Fly Fascination!" Biology Demo** (Dr. Ginger Carney and students)
- ☞ **ROOM 2109 - Create your own protein, DNA, or make your own chemicals using the computer:** Recommended for 6th grade and up, but all are welcome. (Dr. Lisa M. Perez, Laboratory for Molecular Simulation)
- ☞ **ROOM 2122 - "Can you drop an egg without breaking it?"** (Student Engineer's Council)
- ☞ **Outside - "Pop Rocket" and "Hoop Gliders"** (Student Engineer's Council)

GUIDED RESEARCH LAB TOUR GLASSBLOWING DEMONSTRATION

All tours will be led by TAMU undergraduate ACS Student Affiliate members
Coordinator, Helen Hamilton

PLEASE DO NOT TOUR INDIVIDUALLY.

- ★ **LAB TOUR: Working in an Inert Atmosphere. Manipulation of Sensitive Substances in a Glove Box.** Room 1305 (Dr. Francois Gabbai, Chris Dorsey, Casey Wade) Demonstration appropriate for 6th grade and above, but all ages are welcome. Meet your tour guide in the lobby (foyer) outside Room 100 (where the show is) to begin tours in groups of about 10 people at 11:15am, 11:45am, 12:15pm, 12:45pm, 1:15pm, 1:45pm.
- ★ **Glassblowing and Chemistry:** Room 2004. All ages welcome. (Bill Merka)

For safety reasons, all children under the age of 12 **MUST** be accompanied by an adult. Do not enter any lab unless directed to and, for your safety, please do not touch anything in the lab. Safety glasses will be provided and must be worn in the labs. Please return them to your guide when the tour or demonstration is complete.



\$1 off coupon from the Welcome Table for any eating establishment on campus, including An All-You-Can-Eat Lunch Buffet is available at Sbisa Dining Hall

Think CHEMISTRY every day and how it affects every aspect of our lives.

I hope you have a wonderful time today.

*Sincerely, Dr. Wendy L. Keeney-Kennicutt,
Coordinator of National Chemistry Week, TAMU*

YOUR GOODIE BAG

1. "Celebrating Chemistry: The Many Faces of Chemistry" - a fun workbook with Chemistry ideas
2. The periodic table of the elephants!
3. National Chemistry Week fun things: a sticker, pencil, balloon and a tiny Nan-o-mol mascot.
4. Patch - "The Many Faces of Chemistry!"
5. "Miracle Fish - the Fortune Teller" - how does the little red fish tell your fortune? Does it react to light? Heat? Moisture? What is the chemistry behind the fish?
6. "Think Safety" bracelet
7. "Magic Top" - spin it and it will turn upside-down!
8. "UV Detecting Bead bracelet" - the UV sensitive beads contain a pigment which changes color when exposed to ultraviolet light from the sun or other UV sources. Take them outside to see what colors you got! You can observe the effects of UV light from the sun on different colored beads and at different times of day. Put different transparent filters or suntan lotion between the sun and the beads. Try eyeglasses and UV absorbing window film. Try comparing a car windshield with the side windows.
9. "Gro-Beast Dinosaur" - it is made from a super absorbent polyacrylamide polymer. When placed in water (see if distilled water or tap water works better), it will expand by about 600% over a few days. If removed from water, the Gro-Beast will dry and shrink back to its original size.

Jason's deli

Kudos go to Jason's Deli for helping to provide refreshments for all our wonderful volunteers!