



I complained last week about the heat and it just gets worse! I have learned my lesson. I am not going to complain any more!

The June term ends today; however, the July 4 week term does not start until 9 July. Next week should be a quiet week on campus.

Summer orientation is running and classes are filling up. I hear that Biology is really struggling to accommodate all the students who want to enroll in the 100 level biology classes. Our chemistry classes are nearly full and I have no idea how we can add another lecture into the schedule. Tracy and I will keep an eye on the numbers and will notify you if-and-when any changes need to be made.

Enjoy the 4th of July on Wednesday.

-- Lou

Department News

Martin Hall AC on the Fritz!

From what I understand, the control panels in the AC units for Martin Hall have stopped working and they are not able to repair them. They are old and identical replacement units are not available. So, Physical Plant is looking into the more "cost effective" way to install new control panels. Until that happens, the AC units in each room will have to be switched into a manual mode of operation. If your office or classroom is not at a comfortable temperature please let Tracy know.

Digital Measures Updates are Due

The Dean's office wants to remind you to update your Digital Measures for the July Board of Trustee Notes. Dr. Turner's office will be downloading the report on July 9. If you have any questions regarding Digital Measures, they should contact Dr. David Thornton at thornton@jsu.edu (or phone 5359). Thank you.

National Research Council Fellowships

The National Research Council of the National Academies sponsors a number of awards for graduate, postdoctoral and senior researchers at [participating federal laboratories and affiliated institutions](#). These awards include generous stipends ranging from \$42,000 - \$75,000 per year for recent Ph.D. recipients, and higher for additional experience. [Graduate](#) entry level stipends begin at \$30,000. These awards provide the opportunity for recipients to do independent research in some of the best-equipped and staffed laboratories in the U.S. Research opportunities are open to U.S. citizens, permanent residents, and for some of the laboratories, foreign nationals.

Detailed program information, including online applications, instructions on [how to apply](#) and a [list of participating laboratories](#), is available on the NRC Research Associateship Programs at: www.nationalacademies.org/rap.

Questions should be directed to the NRC at 202-334-2760 (phone) or rap@nas.edu.

There are four annual review cycles.

Review Cycle: **November**; Opens September 1; Closes November 1

Review Cycle: **February**; Opens December 1; Closes February 1

Review Cycle: **May**; Opens March 1; Closes May 1

Review Cycle: **August**; Opens June 1; Closes August 1

Applicants should contact prospective Adviser(s) at the lab(s) prior to the application deadline to discuss their research interests and funding opportunities.

University News

June 4 Week Term Grades Due

June 4 week term grades are due at 1:15 on 29 June (TODAY!).

Student News

US Patent and Trademark Office Conducting Interviews

Please note that this even has been cancelled (per the JSU News).

Register for a 30-minute slot at www.usptocareers.gov/jobfair for upcoming interview sessions on June 29-30, 2012 at the Sheraton Atlanta Hotel, 165 Courtland Street, N.E., Atlanta, GA 30303. Interview sessions will be on Friday, June 29 from 9 a.m. - 4 p.m. and on Saturday, June 30 from 8:30 a.m. - 2 p.m.

Top Ten List

Top 10 Best July 4th Fireworks Displays

This list of from Forbes Magazine (on-line). So you will see that they focus on the cost of the fireworks (lots and lots of money going up in smoke!) and the companies who are pocketing the money that they do not burn. They do not talk about how long it takes you to fight all the traffic and get home after the fireworks! Enjoy.

Source: <http://www.forbes.com/sites/bethgreenfield/2012/06/27/top-10-best-july-4th-fireworks-displays/>

1. Macy's 4th of July Fireworks, Ignite the Night

"Macy's is the granddaddy of them all," notes Julie Heckman of the American Pyrotechnics Association. Katy Perry and Kenny Chesney will be among this year's performers. More than 40,000 shells and effects will be shot from four massive barges in the Hudson River by Pyro Spectaculars for this 36th annual display. Macy's declined to reveal its budget.

2. Addison Kaboom Town!

Addison, a Dallas suburb, may only have 15,000 residents, but the town draws half a million spectators for its annual July 4th fireworks spectacular, which has a big-city budget of \$220,000. Practically every one of Addison's 170 restaurants have fireworks-watching parties, making Kaboom Town "an enormous financial benefit" to the town, notes publicist Kelly Hunter.

3. Music City July 4th: Let Freedom Sing!

Nashville spends \$125,000 on its July 4th show, which it calls the "largest fireworks display in the South." Pyrotechnics by the Tennessee-based Pyro Shows will be choreographed to live music by Nashville Symphony Orchestra. Nashville's performance lineup will include The Mavericks, Craig Morgan and rising star Sarah Darling. "The venue is so beautiful and the crowd so dynamic that it just creates a very unique experience," says Pyro Shows CEO Lansden Hill, Jr.

4. July 4th Boston Pops Fireworks Spectacular

Pyro Spectaculars by Souza is producing Boston's high-tech fireworks, which will explode over the Charles River. The 39th annual extravaganza, with a concert at the DCR Hatch Shell, will feature music by the Boston Pops Esplanade Orchestra led by Keith Lockhart, plus performers Jennifer Hudson and host Michael Chiklis.

5. Fourth of July at the National Mall, Washington D.C.

Pyro Shows, based in Tennessee, choreographs D.C.'s eye popping pyrotechnics, which have a budget of \$255,000, according to a National Parks Service spokesperson. What makes this show so phenomenal, notes Pyro Shows CEO Lansden Hill, Jr., is "the fact that it's being shot on the National Mall."

6. Lights on the Lake Fireworks, Lake Tahoe

Pyro Spectaculars by Souza, the same company behind the Macy's show, orchestrates the Lake Tahoe fireworks. At this beloved California display, "It's the way the fireworks reflect over the lake that make it spectacular," says Julie Heckman of the American Pyrotechnics Association.

7. San Francisco's July 4th Celebration at the Pier

The July 4th celebratory fireworks explode over the San Francisco Bay with San Francisco in the background. The City of San Francisco's show on Pier 39 includes performances by Tainted Love and plenty of pyrotechnics.

8. Family 4th at Lake Union, Seattle

Seattle's budget for fireworks alone is \$150,000, for a 21-minute display of more than 2,400 shells and 10,000 individual effects. Following a full day of activities and performances in Gas Works Park and Lake Union Park, fireworks by Pyro Spectaculars will explode over the crowd, which is expected to reach over 50,000 in the park, with another 200,000 watching from around the lake and from boats.

9. Red Rock Resort Fireworks, Las Vegas

Simultaneous 9-minute displays at five Stations Casino properties (Aliante Station, Red Rock Resort, Fiesta Rancho, Texas Station and Green Valley Ranch Resort) will be produced by the New York-based Fireworks by Grucci, and choreographed to songs from Nat King Cole's "L.O.V.E." to Led Zeppelin's "Whole Lotta Love." Following the various other displays around town will be the one exploding on July 7th over Caesars Palace, also by Grucci, whose CEO Philip Butler notes that the Las Vegas shows, when added together, make up "one of the largest 4th of July budgets in the nation."

10. Key Biscayne Fourth of July

Though this village edging Miami starts off with an old-fashioned, small-town Independence Day Parade, it ends with a modern, 28-minute pyrotechnics display (budget: \$105,000), courtesy of Fireworks by Grucci. Key Biscayne, a village of about 12,000, puts on an annual, high-budget show that dazzles local residents as well as those watching from Miami and Miami Beach.

Contact Details

If you have items of news or interest that you would like included in the Department of Physical and Earth Sciences newsletter, then contact **Tracy Casey** before noon on Thursdays at: tscasey@jsu.edu or phone (256) 782-5232.