

# Yale Department of Physics

Yale Physics Newsletter

March 15, 2019

For further information on any of the items included here or if you would like to contribute to the next newsletter, send email to [Daphne Klemme](mailto:Daphne.Klemme).

## Hints & Tips!

Welcome to our new hints and tips section! Please email [daphne.klemme@yale.edu](mailto:daphne.klemme@yale.edu) with any helpful tips that will help us work to our best ability.

If you change offices please send an email to Maria Foley ([m.foley@yale.edu](mailto:m.foley@yale.edu)) and Daphne Klemme ([daphne.klemme@yale.edu](mailto:daphne.klemme@yale.edu)) letting them know of your new office location and phone number so that our records can be updated and kept current.

## Climate and Diversity Committee News

A Note from the [Climate and Diversity Committee](#) (CDC).



PHYS 107 Being Human in STEM on International Women's day #BetterforBalance

The CDC convenes once a month. If interested in joining please contact Helen Caines ([helen.caines@yale.edu](mailto:helen.caines@yale.edu), Chair of CDC). You may contact the whole committee at [physics-cdc@mailman.yale.edu](mailto:physics-cdc@mailman.yale.edu)

## News

### CHEMICAL PURCHASE REMINDER

Chemicals are **never** allowed to be purchased on a p-card. Chemicals are a **restricted item** from purchasing with a p-card and all orders for chemicals "**must**" be obtained via a purchase order **no exceptions** per the controller's office. All PO requests for chemicals must be accompanied by the "first page" of the MSDS (Material Safety Data Sheet), now commonly shortened to SDS. That's the appropriate place to locate hazard (HMIS) information letting us know how to code it.

The HMIS (Hazard Material Identification System) should be used to determine whether a chemical is hazardous or not. The areas of the HMIS system are

## Save the Date

The Graduate Recruitment Open House is being held Thursday, March 28 and Friday, March 29, 2019.

## Seminars

### Wednesday, March 20

4:00pm in Sterling Chemistry Lab 160. Department of Chemistry Lecture in Inorganic Chemistry. Marc Robert, Université Paris Diderot, "Running the Clock: Catalytic Reduction of CO<sub>2</sub> with 2, 6 and 8 Electrons Using Co and Fe Molecular Catalysts".

### Thursday, March 21

11:00am in Yale Quantum Institute Seminar Room. Yale Quantum Institute Talk. Nathanael Cottet, Ecole Normale Supérieure Lyon, "Observing a quantum Maxwell demon at work".

4:00pm in Sterling Chemistry Lab 111. Department of Chemistry & Yale Institute for the Preservation of Cultural Heritage Lecture in Physical Chemistry. Dr. Bernard Blümich, RWTH Aachen University, "Mobile MRI of Tangible Cultural Heritage"

For more seminars see: <http://physics.yale.edu/calendar>

Health, Flammability, Reactivity/Physical Hazard, and Personal Protection. The rating system goes from 0-4 for each item except Personal Protection. Zero is least hazardous, 4 is most.

## The 6th Annual Yale Biophysics and Structural Biology Symposium

will take place April 26, 2019 in SCL 160. Yale graduate students and professors will present their research throughout the day. Breakfast and lunch will be provided, followed by a social hour. Graduate students/post-docs are encouraged to present a poster. [Please follow the link to register.](#)

[Click here for updated department news.](#)

## Announcements

[Please click here for updates on the Yale Science Building, including a new logistics plan.](#) The project encompasses the construction of a new state of the art sciences laboratory at the approximate location of the demolished J.W. Gibbs building, a comprehensive renovation of the KBT Plaza, a lecture hall, and a common area at the south end of KBT Plaza.

### Julia Robinson Math Festival seeking volunteers

Want to challenge your teaching skills by helping middle/high schoolers solve fun puzzles in math/logic?

We are looking for volunteers (~3 hours commitment) to help with the Julia Robinson Mathematics Festival, which will be held at Yale on Sunday, March 31, 2019, from 9 AM to 12 PM (see attached flyer). At this event, students will solve a series of fun and creative math problems and puzzles designed by the national group (examples can be found on their website <http://jrmf.org/>). The inaugural festival was held at Google in 2007. Since then, several companies and universities have organized these festivals around the country. This will be the **fifth time at Yale!**

We are looking for volunteers to help guide groups of students through these problems, which range in difficulty but require minimal prior experience. Volunteers should be available on **Sunday, March 31 from 8:15 AM to 12 PM** (to help set up before the festival). This event is sure to be fun for both participants and volunteers interested in STEM education.

If you are interested in volunteering at this event, please write to [sohan.vartak@yale.edu](mailto:sohan.vartak@yale.edu).

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### eShipGlobal update and training

The University's express shipping tool, eShipGlobal, supports more than 45,000 shipments each year. On March 25, 2019, Yale's eShipGlobal will go live with upgraded and improved compliance and features, including:

- Collaboration functionality to enable authorized non-Yale colleagues to use eShipGlobal to ship materials (research and non-research) to the university.
- Ability to capture additional details for research material shipments to improve our compliance with shipping regulations.
- More options on COA charging instructions, including saving details to your profile.
- Enhancements to simplify creating transactions.
- Process flow improvements.

eShipGlobal users are invited to participate in an eShipGlobal Upgrade information session. The information training session is expected to take approximately 90 minutes. The first 45 minutes will be an updated system overview and updated instructions on general shipping. The last 45 minutes will be dedicated to updated instructions on Research Materials shipping.

Please click on the links to register for one of the Live or Virtual offerings.

- [Live eShipGlobal Upgrade information session](#)
- [Virtual eShipGlobal Upgrade information session](#)

If you have questions, please feel free to contact Rob Bores (Finance Business Solutions, at [robert.bores@yale.edu](mailto:robert.bores@yale.edu)) or Kevin Charbonneau (Environmental Health and Safety, at [kevin.charbonneau@yale.edu](mailto:kevin.charbonneau@yale.edu)).

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### HIGH IMPORTANCE! Utility Service Interruption Notice UPDATE

**Alternate Electrical Service shutdown schedule change for Monday, March 18th.**

Shutdown Scheduled on: **03/18/2019 07:00 AM** thru **03/18/2019 05:00 PM**

Building(s):

A.K. WATSON HALL  
BASS CENTER  
BASS LIBRARY  
BATELL CHAPEL  
BECTON E&AS CENTER  
BEINECKE LIBRARY  
BENJAMIN FRANKLIN COLLEGE  
BERKELEY COLLEGE  
BINGHAM HALL, CHARLES  
BRANFORD COLLEGE  
BRITISH ART, YALE CTR  
CHEMICAL SAFETY BLDG  
CHEMISTRY RES BLDG  
COLLEGE ST, 451  
CONNECTICUT HALL  
DAVENPORT COLLEGE  
DOW HALL  
DUNHAM LAB  
DURFEE HALL, BRADFORD  
EDWARD P EVANS HALL  
ELM ST, 143  
ENVIRONMTL SCIENCE CTR  
**EVANS HALL, THOMAS M.**  
EZRA STILES COLLEGE  
FARNAM HALL, HENRY  
FOUNDERS HALL  
GOLDMAN LAW LIB ANNEX  
GRACE HOPPER COLLEGE  
GREEN HALL  
HENDRIE HALL  
HILLHOUSE AVE, 15  
HILLHOUSE AVE, 17  
**HILLHOUSE AVE, 46**  
INGALLS RINK  
JONATHAN EDWARDS COL  
KIRTLAND HALL  
KLINE BIOLOGY TOWER  
KLINE CHEMISTRY LAB  
KLINE GEOLOGY LAB  
LANMAN-WRIGHT HALL  
LAWRANCE HALL, THOMAS  
LEET OLIVER MEM HALL  
LEIGH HALL  
LINSLY-CHITTENDEN  
LORIA CENTER  
LUCE HALL, HENRY R.  
MALONE ENGIN CENTER  
MASON LAB  
MCCLELLAN HALL, EDWIN  
MEDICAL SCREEN TRAILER  
MORSE COLLEGE  
OLD CAMPUS  
OSBORN MEMORIAL LAB  
PAULI MURRAY COLLEGE  
PAYNE WHITNEY GYM  
PEABODY MUSEUM

PHELPS HALL  
PIERSON COLLEGE  
PIERSON-SAGE GARAGE  
RAY TOMPKINS HOUSE  
ROSE ALUMNI HOUSE  
ROSENFELD HALL  
ROSENKRANZ HALL  
SACHEM ST, 10  
SAYBROOK COLLEGE  
SCHWARZMAN CENTER  
SHEFFD-STERL-STRATHC  
SILLIMAN COLLEGE  
SLIFKA CENTER, JOSEPH  
**SLOANE PHYSICS LAB**  
SPRAGUE HALL,ARNOLD  
STERLING LAW BLDGS.  
STERLING MEM LIBRARY  
TEMPLE ST, 302  
TIMOTHY DWIGHT COLL.  
TRUMBULL COLLEGE  
UNIVERSITY THEATRE  
VANDERBILT HALL  
W. L. HARKNESS HALL  
WALL ST, 82-90  
**WATSON CENTER**  
WEIR HALL  
WELCH HALL,HARMANUS  
WOODBIDGE HALL  
WOOLSEY HALL  
YALE HEALTH CENTER  
YALE REPERTORY THEAT  
YALE SCIENCE BUILDING  
YALE U. ART GALLERY  
YORK ST, 149  
YORK ST, 220  
YORK ST, 320

Utility Interrupted: **Alternate Electrical Service**  
Affected Area: **Electrical Alternate Power. Normal power will not be affected, This will be seamless to the occupants**

Shutdown Description: **To support the diesel generator switch gear project at the central power plant**

Please contact **Casalaina, Frank** at +1 (203) 436-2894 or the **Facilities Operations Service Center** at 2-6888

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**Drone Flight scheduled for Science Hill area this Saturday, March 16<sup>th</sup>.**

There will be two drone flights to get aerial photos/video at Science Hill, and part of the Engineering area (Mason/17HLH/HHH). Times are undecided, but it will only take place for an hour or so at each location.