Dear Earth & Mineral Sciences (EMS) Undergraduate Student, lots of items in this week’s newsletter. To make things easier I have created a calendar to help you organize. (not all items are listed so if you have something to add please let me know)

<table>
<thead>
<tr>
<th>OCTOBER</th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>20</td>
<td>21</td>
<td>22</td>
<td>23</td>
<td>24</td>
<td>25</td>
</tr>
<tr>
<td>FINAL EXAM Deadline</td>
<td>Info Session GREEN</td>
<td>PIZZA Sale Relay</td>
<td>EMS THON Mtg.</td>
<td>EMSAGE Application DEADLINE</td>
<td>Hayride</td>
</tr>
<tr>
<td>26</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>27</td>
<td>28</td>
<td>29</td>
<td>30</td>
<td>31</td>
<td>1</td>
</tr>
<tr>
<td>NSO Applications Begin</td>
<td>Undergraduate/Graduate Meet and Greet</td>
<td>What is College For?</td>
<td>EMS Student Council Mtg.</td>
<td>Ice Cream Social</td>
<td>2</td>
</tr>
<tr>
<td>NOVEMBER</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>4</td>
<td>5</td>
<td>6</td>
<td>7</td>
<td>8</td>
</tr>
<tr>
<td></td>
<td>Blood Drive</td>
<td>PIZZA Sale THON</td>
<td></td>
<td></td>
<td>9</td>
</tr>
<tr>
<td>9</td>
<td>GRE PREP</td>
<td></td>
<td></td>
<td></td>
<td>GRE PREP</td>
</tr>
<tr>
<td>10</td>
<td>11</td>
<td>12</td>
<td>13</td>
<td>14</td>
<td>15</td>
</tr>
<tr>
<td>GRE PREP</td>
<td>Poster exhibition deadline</td>
<td>Poster exhibition deadline</td>
<td>PIZZA Sale Relay</td>
<td></td>
<td>16</td>
</tr>
<tr>
<td>17</td>
<td>18</td>
<td>19</td>
<td>20</td>
<td>21</td>
<td>22</td>
</tr>
<tr>
<td></td>
<td>PIZZA Sale THON</td>
<td></td>
<td>PIZZA Sale THON</td>
<td></td>
<td>23</td>
</tr>
<tr>
<td>DECEMBER</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>Poster exhibition</td>
<td>Poster exhibition</td>
<td>Poster Awards Celebration</td>
<td></td>
<td>7</td>
</tr>
<tr>
<td>8</td>
<td>9</td>
<td>10</td>
<td>11</td>
<td>12</td>
<td>13</td>
</tr>
<tr>
<td></td>
<td>PIZZA Sale Relay</td>
<td></td>
<td>PIZZA Sale Relay</td>
<td></td>
<td>14</td>
</tr>
<tr>
<td>15</td>
<td>16</td>
<td>17</td>
<td>18</td>
<td>19</td>
<td>20</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>21</td>
</tr>
</tbody>
</table>
ACADEMICS

- Global Renewable Energy Education Network (GREEN)
- What is College For?
- Final Exam Schedule Conflict
- 2014 Grundy Haven Paper Competition
- EMS Poster Exhibition
- The Earth and Mineral Sciences Academy for Global Experiences (EMSAGE)
- CAUSE 2014
- GRE Preparation

STUDENT COUNCIL/THON

- Next meetings
- EMS Blood Drive
- EMS THON and Relay for Life Pizza Sales
- IDonate
- Canning Weekend 2
- EMS Hayride
- Donors Play

CAREERS, JOBS, INTERNSHIPS, ETC.

- Wanted: Nominations for the 2014 Orientation Team
- EMS Undergraduate-Graduate Meet and Greet: choosing between graduate school and careers

MISCELLANEOUS / FUN

- Ice Cream Social
- Recognition Awards

ACADEMICS

GLOBAL RENEWABLE ENERGY EDUCATION NETWORK

GREEN stands for the Global Renewable Energy Education Network; it is a study-abroad experience related to renewable energies. In the short of it, GREEN is an awe-inspiring paradise. It's an opportunity to be adventurous and step outside your comfort zone. In Costa Rica, a classroom beneath a volcano, in the jungle, and at the foot of a wind turbine. In Iceland, a classroom on the glaciers, inside the world’s most innovative power plants, and submerged in a natural hot spring. Either country, there's a chance to discover your true passion. GREEN is an educational pinnacle to set you on a rewarding career path. A life-changing experience.

The GREEN Program fulfills these desires and much more. Students journey through an educational adventure for twelve days while visiting clean energy facilities, such as wind turbines and geothermal plants, learning from industry experts and even implementing innovative sustainable solutions in local communities. Our students experience a foreign land, its beauty, thrilling adventures, and memorable cultural experiences, while earning academic credit at many of our partner institutions.
ACADEMICS (CONTINUED)

All over the world students have tapped into their global consciousness by seeing firsthand how a country can power itself almost entirely with renewables and implement sustainable living practices. These same students have returned to their Academic Institutions to implement capstone projects in order to gain credit, help a community, accelerate their career, or kickstart a career as an entrepreneur.

If you would like to learn more please come out to our INFO SESSION:

When: Tuesday, October 22, 2013 at 6:00pm
Where: 26 Hosler Building
FREE PIZZA will be provided!

WHAT IS COLLEGE FOR?

Andrew Delbanco, Mendelson Family Chair of American Studies and Julian Clarence Levi Professor in the Humanities at Columbia University

Date: Wednesday, October 30, 2013  Time(s): 6:30 - 7:30 p.m.
Location: Foster Auditorium, 102 Paterno Library, University Park and via Media Site Live
http://www.schreyerinstitute.psu.edu/events?id=10639

FINAL EXAM SCHEDULE AND CONFLICT FILING PERIOD

Your final exam schedule is now available on eLion. If you have two exams at the same time you MUST file conflict. If you have three exams in one day or in three consecutive exam periods you may file for a conflict exam.

The final exam conflict filing period ends on October 20, so be sure to check your schedule for any possible conflicts and file for the changes you need during the next 2 weeks.

2014 GRUNDY HAVEN STUDENT PAPER COMPETITION

Do you want to earn $1,000, to get published, and to have something impressive to put on your résumé??

Then, you want to enter the Grundy Haven Paper Competition!

Each year our college fosters excellence in writing by sponsoring this competition that gives you a chance to adapt a paper you've written for an academic setting, or perhaps a professor or from a conference—or maybe one that you began from scratch just because you were interested in the topic—to a nontechnical audience.

You can find out more at http://www.ems.psu.edu/current_undergrad_students/grundy_haven

Make sure to check out the winning papers from the past 4 years too. Then make an appointment with our Giles Writer-in-Residence, Del Bright (kdb9@psu.edu) to get you on your way!
EMS ANNOUNCEMENTS

ACADEMICS (CONTINUED)

EMS POSTER EXHIBITION

Here’s an opportunity to get YOU get some CASH this fall, build your résumé, and improve your communication skills! The Ryan Family Student Center is sponsoring the second EMS Undergraduate Poster Exhibition designed to help you accomplish the following specific goals:

- Learn how to summarize information and present it in a visually attractive manner;
- Gain more sophistication in your presentation skills by concisely and accurately explaining and defending your work;
- Demonstrate poise and mental agility before faculty and peers;
- Discuss your educational growth and maximize your networking opportunities;
- Become better prepared to participate in the spring University-wide Undergraduate Exhibition and develop a more complete EMSAGE application.

Don’t think this opportunity is only for those doing laboratory research. We encourage all EMS students to participate, not only those who are collecting data. Experiential learning, creative activity, capstone projects, travel experiences, and any educational experience relevant to the study of Earth and Mineral Sciences may serve as the subject of a poster. What you did this summer might provide just what you need to enter this poster competition.

Want to know more? Go to our EMS website: http://www.ems.psu.edu/ugposterexhibit

THE EARTH AND MINERAL SCIENCES ACADEMY FOR GLOBAL EXPERIENCES (EMSAGE)

For those of you new to EMS, or new to the UP campus, you're likely wondering: what is EMSAGE and why is there posters of students being honored? Simply put, EMSAGE is you! Every undergraduate student in EMS is, by virtue of their enrollment, a member of EMSAGE. You are a member of this academy, hence an Academician. Those of you who strive for excellence in scholarship, service, and experiential learning and global literacy can apply to graduate as an EMSAGE Laureate. This is one of your college's highest honors. Laureates are selected (via an application process) in the semester they intend to graduate.

We urge those seniors who have indicated their intent to graduate in December and who see their own years at Penn State reflected in the open-ended Laureate criteria to apply to be part of the college’s cohort of Laureates. Access the EMSAGE Laureate application at http://www.ems.psu.edu/emsage_laureate.

Please note that Fall 2013 laureate applications are due no later than NOON Friday, October 25, 2013.

You may also direct questions about EMSAGE to Dean H. Nels Shirer's office in 14 Deike.

We urge all EMS undergraduates not graduating in December to embrace the EMSAGE spirit so that you will feel eligible for Laureate status in your graduation semester.
CAUSE 2014 – RIDGE TO REEF: TERRESTRIAL EFFECTS ON THE NEAR SHORE MARINE REALM

What: Humanity directs numerous insults on the marine realm but the near-shore marine environment is particularly vulnerable to human activities on land, such as changing land use, increased nutrient inputs and degraded water quality, increased sedimentation and refuse disposal, the introduction of invasive species, to name a few. These local to regional impacts are superimposed on a background of hemispheric to global scale stressors related to rising sea level, higher frequency of tropical storms, higher sea surface temperatures, and increasing ocean acidification. Combined, these challenge sustainability of near-shore marine environments that provide environmental, social and economic benefits to the resident human population.

When: Spring (2 credits), Summer (10 day field trip-1 credit) and Fall (3 credits). Students will register for EM SC 470W.

Where: The field program will take place in the Caribbean, exact location to be determined. The selected island will offer the potential to explore a range of terrestrial and marine environments with both relatively pristine and degraded land---and seascapes. The islands being considered have all experienced substantial population growth—increasing stress on near-shore marine environments. The College of Earth and Mineral Sciences is subsidizing the course, but there will be an additional cost for the international travel of approx. $1800.00

Who: The Field program will involve land---based studies as well as SCUBA diving for coral reef surveys. The class will be open to non---divers, who will have the opportunity to obtain open water scuba diver certification if they choose to. However, diving will not be required. Any diving that does occur will be under the auspices of the Penn State Science Diving Program, and all divers must abide by the Science Diving standards and requirements.

Instructors: Lee Kump (Geosciences) lrk4@psu.edu; Robert Crane (Geography) rqc3@psu.edu; Tim White (Earth and Environmental Systems Institute) tswhite@eesi.psu.edu

VISIT THE WEB SITE TO DOWNLOAD THE APPLICATION FILE: http://www.ems.psu.edu/CAUSE

GRE PREPARATION COURSE

If you are considering graduate school, Penn State-UP’s Office of Career Services will be offering its popular (and low-cost) GRE preparation course again on the weekend of November 9-10, 2013 (mark your calendars early). Registration will be available on-line at https://psu-csm.symplicity.com/events/YohoGRECourses See attached flyer

STUDENT COUNCIL / THON

NEXT MEETINGS

- EMS THON – Wednesday, October 23rd, at 6:00 PM in 22 Deike Building
- EMS Student Council - Wednesday October 30th, at 6:00 PM in 22 Deike Building
EMS BLOOD DRIVE

The College of Earth and Mineral Sciences Student Council will be hosting a blood drive at the Hintz Alumni Center on Wednesday November 6th from 10am to 4pm. The blood drive is part of the PSU-MSU challenge, which we lost in a close race last year. The month long challenge pits the two Big Ten universities against each other. The organization with the highest percent of members donating wins a trophy, which I think would look great in the Ryan Family Student Center! Giving blood takes around an hour, and can help save 3 persons’ lives. Food (pizza) and refreshments will be served, so please come help this worthwhile cause.

To schedule an appointment visit: http://www.redcrossblood.org/make-donation-sponsor. Enter "psu" as the sponsor code and look for the drive on November 6th in the Hintz Family Alumni Center.

EMS RELAY FOR LIFE PIZZA SALE:

There will be a pizza sale Wednesday, October 23rd from 11:00am-3:00pm to benefit The College of Earth and Mineral Sciences Relay for Life on the ground floors of Deike and Walker Buildings. Come by to grab a slice and drink! The last sale raised over $400 for THON! Come to the lobby of Deike and Walker to have Papa Johns Pizza to help celebrate more birthdays!

- Upcoming EMS Relay Pizza sales:
  November 13; December 11; January 22; February 5
- Upcoming EMS THON Pizza sales:
  November 6; November 20; December 4; January 15; January 29; February 12

IDONATE

Do you have any old cell phones, cameras, or mp3 players that you no longer use? Donate them to help benefit THON! The electronics do not have to be in working condition. The list of accepted items includes cell phone chargers and accessories, laptops, e-readers, handheld game systems, and portable hard drives. Every donation brings us one step closer to curing pediatric cancer! If interested please email EMSFundraising@psu.edu.

CANNING WEEKEND 2

Canning Weekend 2 is this weekend 10/18-10/20! We have a lot of wonderful hosts, including Brittany Eckert, an alumni who danced last year, and the BREWER’S, one of our families!

Be sure to email emscanning@psu.edu to sign up!

We had a very safe and successful 1st canning weekend with 59 canners raising a total of $17,065.93 FTK! Eric’s (Founder of EMS Benefiting THON) Canning Challenge raised an additional $334 towards our total!
EMS Announcements

FALL 2013

The Ryan Family Student Center

VOLUME 9

OCTOBER 18, 2013

STUDENT COUNCIL / THON (CONTINUED)

EMS HAYRIDE

The College of EMS Student Council will be going on a hayride on Thursday, October 24th at 7:00 PM. We’ll be meeting at 6:30 PM in the Deike parking lot. Come out for unlimited sausage, hamburgers, apple cider, and hot chocolate. The hayride, campfire, and dinner should last close to an hour and a half. Come out for an awesome fall festivity! Email Jacob DeFlitch (jod5200@psu.edu) to pay for a spot.

DONORS PLAY, EARN $1 FOR EMS EVERY WEEK:

Help the EMS Student Council and EMS Benefitting THON raise money by using your smartphone and follow these seven steps. There is no charge to you and this can be done every week! Thank you for your help!

- **Step 1:** Text “earth” to 650-319-7142.
- **Step 2:** Click link in the text.
- **Step 3:** Download the Donorsplay app.
- **Step 4:** Open Donorsplay.
- **Step 5:** Enter “earth” as our code.
- **Step 6:** Download test app (game).
- **Step 7:** Open test app and play it or leave it open for 5 minutes.

CLUB MEETINGS

Nothing reported at press time.

CAREERS, JOBS, INTERNSHIPS, ETC.

WANTED: NOMINATIONS FOR THE 2014 ORIENTATION TEAM

The Office for Student Orientation and Transition Programs is looking for dedicated, enthusiastic, resourceful, and motivated students to join its 2014 Orientation Team (OTeam). Members of the OTeam will serve as group facilitators, resource persons, role models, and ambassadors for Penn State. We are asking for your help to identify qualified candidates to serve on the 2014 OTeam.

The OTeam will staff two-day, overnight orientation sessions from May through August. As representatives of Penn State University, their work will focus on providing a quality transitional experience for all incoming first-year students. The team members facilitate this transition into college by providing an introduction to the campus and its resources, leading conversations about the transition from high school to college, and acting as a representative of the Pennsylvania State University. Team members must be able to be flexible while working in a demanding, fast-paced environment and are expected to actively engage with students and families while providing a welcoming environment to make each New Student Orientation program a success.

To be eligible for the position, a student must have attained at least 24 credits by the end of the spring 2014 semester and have a 2.5 overall grade point average. Students who are hired as a member of the OTeam will average approximately 36 hours per week throughout the program.
CAREERS, JOBS, INTERNSHIPS, ETC. (CONTINUED)

Applications are available online beginning Monday, October 28, 2013 at orientation.psu.edu/employment. All application materials are due on Friday, November 8, 2013 by 4:00pm. More information about the application process is available online at orientation.psu.edu/employment.

If you know any students who would be good candidates, please visit this form to submit your nomination: http://goo.gl/taS7CR. We will contact each student that is nominated nominate and encourage them to apply to be a member of the 2014 OTeam.

If you advise a student group, or have access to a listserv that would benefit from receiving information about the 2014 OTeam, please share the attached document with them. I’m happy to answer any questions you may have.

EMS UNDERGRADUATE-GRADUATE MEET-AND-GREET: CHOOSING BETWEEN GRADUATE SCHOOL AND CAREERS

Come meet EMS graduate students and get free dinner at our first annual undergrad-grad student meet and greet! We’ll be discussing life after undergrad, and whether graduate school or careers are the right fit for you. There will be graduate students from each department within EMS that have career and school experience!

Pizza and drinks provided!

Tuesday, October 29th from 6-7 p.m. Room 10 Deike Building

For more information, contact EMS Graduate Writing Tutor Ellen Chamberlin at epc127@psu.edu

SCHOLARSHIPS

Nothing reported at press time.

ADDITIONAL INFORMATION / FUN

ICE CREAM SOCIAL – THURSDAY OCTOBER 31

The office of EMS Educational Equity will be sponsoring an Ice Cream Social on October 31 from 2:00 – 4:00 pm in the Ryan Family Student Center. Mark your calendars now!

RECOGNITION AWARDS

Do you know a staff member, tech service and or research assistant that you would like to nominate as an exceptional professional who represents the College and his or her respective department with integrity, dedication and diversity? This is your chance to recognize superior performance by staff members in the College of Earth and Mineral Sciences. Nominations are welcome from all EMS faculty, staff, and students who would like to see a staff member, including tech service and research assistants, recognized.

A description of the qualifications for each award is included with the nomination form on the website and can be found below:
Our hours are 8:00AM to 8:00PM Monday - Thursday, 8:00AM - 5:00PM on Friday.
Sign up!

Your EMS Student Center Staff:  Jeff, Stacy, James, Liz, Tim, Del, Martha, Nels, Linda (Dillon and Jeff  our work study students)
theGREENprogram.com

WINTER, SPRING AND SUMMER BREAK
Short-term educational adventure programs

INFO SESSION:
6:00 – 7:00PM Tues. 10/22
26 Hosler

PIZZA and Refreshments provided

JOIN A PROFESSIONAL NETWORK OF AMBITIOUS ADVOCATES FOR RENEWABLE ENERGY AND SUSTAINABILITY

1. Download QR Reader App  2. SCAN For Video