We hope you have enjoyed the recent nice weather, but ready for another week of storming skies!
It is important to understand hazards when working with electricity and electrical power equipment.

**Know the dangers of electrical power equipment:**

- Do not work with exposed wires!
- Watch for any damaged or exposed wires on power leads and extension cords.
- Do not use extension cords that have frays or exposed wires.
- *IMMEDIATELY* report any damaged electrical cords to Virgil, the shop technician, or one of the student shop technicians.
- Do not use electrical outlets with water nearby and/or on the floor.
- *ALWAYS* inspect power tools and equipment such as welders for damaged cords and power leads before use.
- Know the correct voltage for your equipment.
- Only use power cords and outlets that have the correct voltage rating for your equipment.

*If you don’t know, ask!*
# January & February Calendar

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BRAE News and Events

Precision Agriculture and Automation Club (PAAC)

Hello Ag Robotics Enthusiasts,

PAAC meets Thursday to work on this year's ASABE robotics competition layout. Come with a hungry stomach and your creative ingenuity!

Society of Women Engineers (SWE)

Fourth Grade Days:
  When: Tuesday to Friday, February 21 - 24 from 9 am to 3 pm
  Where: Off-campus elementary schools

  Come out to volunteer for Cal Poly SWE’s annual 4th Grade Days event, where we teach local elementary school students about engineering!

  [Sign up to volunteer here.]

General Meeting with Boeing: Transitioning into the Workforce!
  When: Wednesday, February 8, 6:10 pm
  Where: Bonderson 104

  Come join SWE’s general meeting to hear from Boeing representatives. They will be coming to talk about Transitioning into the Workforce. Pizza will be served!

SWE Phone-a-Thon

When: Friday, February 24 and Friday, March 3 from 5 pm to 8 pm

Where: 192-106

It's college acceptance season! Come join SWE to congratulate conditionally admitted female Cal Poly engineering students and invite them to Cal Poly Open House and SWE Welcome in the spring. SWE Phone-a-thon will be held on Friday, February 24th and Friday, March, 3rd from 5:00 p.m. to 8:00 pm. FIRESTONE will be served! If you are interested, [please sign up here.}
Week 6

EWB Winter Olympics!

Join us for the EWB Winter Olympics on Sunday February 26 at noon in Montana de Oro! There will be sand boarding, music, and other fun and games! There will be a fastest sled winner, most creative sled winner, and the judges choice winner. Come and support your project team! Remember in spring quarter the team with the most points gets a free EWB Olympics shirt!!

Please sign up here by Thursday February 23 at midnight!

Check out our google calendar here!

1. Learn about EWB at Engineers Without Borders: Travel Stories 11-12 pm at the ATL! Come listen to the history of our chapter by hearing the stories of those who have personally implemented our projects around the globe.

Project Meetings are every Monday 7pm!  
Here are the team room locations:

10-227 Nicaragua  
33-287 Thailand  
53-202 India  
53-206 Malawi  
53-213 Local Projects

2. IMPACT meets every Tuesday at 6:30 pm at one of the Library 2nd floor fishbowls. Come by if you want to make a difference locally by volunteering in SLO!

3. EWB Tea Time is every Friday 10-12pm at the 2nd floor of the Library facing the front, near the bookshelves. Come chat and enjoy some tea with President Dan, VP Beth, and the occasional officer!

4. Intramural Soccer is every Sunday at the turf fields from 5:30-6:30 pm. Come play soccer with your EWB friends! In order to play, please bring a white shirt and black shirt!

Opportunities

The University of Colorado Boulder’s Mortenson Center in Engineering for Developing Communities is hosting its annual Colorado Water, Sanitation and Hygiene Symposium in beautiful Boulder this March 7-8, 2017. Registration is FREE. Rumor has it we've got a bunch of Cal Poly grads in Boulder who's couch you can crash on :). Email Katie Chambers (Katherine.G.Chambers@colorado.edu) or check out their website (http://www.colorado.edu/washsymposium/) for more details if you're interested
Journeyman Welder/Fabricator Job
Description & Expectations

Position: Structural or Ornamental Welder/Fabricator

Pay D.O.E.: $15-17 entry level, $18-22 skilled, $23-25 for Foreman/Journeyman

Resume required: Send resumes to brandt.haener@arcwelds.com

Location: San Luis Obispo, California

Work Requirements
- 3-5 years and fabrication experience
- Field installation and erecting of structural steel or ornamental iron
- Ability to lift heavy items 50lbs+ as well as stand for long periods of time
- Able to work at heights
- Capable of doing layout and project planning
- Certifications preferred: SMAW, FCAW
- Engineering or technical degree a bonus

Overview
This is a journeyman level position requiring a broad skill set. The ideal candidate will be able to take a project from receipt of shop drawings to final field installation. Work may not have complete drawings and specifications at times so the employee will need to think on their own to able to complete the task while using best manufacturing practices. Employee will often be self-directed based on the project scope. Needs to be able to solve issues

Job Functions
- Execute new projects from concept to finished product.
  - Layout, fit-up, assembly/welding, coating, installation
- Create products that meet customer and shop owner's quality requirements.
- Conform to industry regulations, laws, and architectural standards during the course or work.
- Read and follow architectural prints.
- Manage job site activities in coordination with other trades
- Resolve project challenges and develop solutions to field and installation issues.
- Other duties as assigned.

Expectations
- Able to self-direct and drive projects to completion. Knows what needs to be done next and does not wait to do so until told. Is able to work within grey area of project specs.
- Highly motivated and keeps the interest of the client and company in mind at all times.
- Willing to take directions
- Flexible to changing needs of the company and able to adapt to the situation at hand.
- Delivers results: Ensures projects are completed on time in full regardless of business challenges or competing priorities.
- Conducts themselves in ethical and appropriate manner consistent with expectations of high end clients and business owner.
Ag Engineering Internship

LOCATION
Shafter, CA

COMPANY
Wonderful Orchards LLC

JOB DESCRIPTION
Wonderful Orchards is California's largest grower of pistachios, almonds and pomegranates. Headquartered near Bakersfield, CA the company farms over 95,000 acres in the Central Valley. Over its many years in operation, Wonderful Orchards has demonstrated a strong entrepreneurial spirit of commitment to innovation and growth from its owners, management team and associates.

Position Summary:
Our internships offer hands-on experience in the field with mentorship from experienced professionals!

Summer interns are selected to assist department managers in specific operations of the farming business, which are related directly to students’ course of study. Interns receive excellent experience to supplement their classroom education.

Engineering & Fleet Projects
Assisting our Fleet and Shop Management team with existing projects supporting the field. Projects can include understanding the work order system and parts request, preventative maintenance scheduling, testing precision almond harvesting equipment and potential design. Our goal is to provide the opportunity for an Engineering Intern to apply their learned knowledge in a “Hands On” environment.

JOB REQUIREMENTS
Preferred qualifications:
* College upperclassmen (juniors & seniors); Others levels may possibly be considered
* Currently studying in Agricultural related field, Ag Systems Management, Engineering
* Computer proficient in Word, and Excel, and use of the Internet
* Good verbal and written communication skills
* Research and analysis skills* Ability to write and present reports as requested

Wonderful Orchards and The Wonderful Company is an Equal Opportunity Employer and with opportunities for advancement. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability, age, protected veteran status, or other protected categories.
2017 Conference Scholarship
Attend a Top Water Industry Conference, On Us!

West Yost Associates will award a scholarship to a qualified student to attend, free of charge, the Association of California Water Agencies' (ACWA’s) 2017 spring conference in Monterey, California, May 09 – 12.

The Conference
The Association of California Water Agencies Conference encapsulates the current issues and future trends in California’s water industry and provides a wealth of information and opportunities to attendees. ACWA holds two statewide conferences each year. These conferences draw attendees from around the state, including state, local, and federal water officials; local municipal leaders; and members of the scientific and consulting communities. The conference features a variety of topics and sessions on a broad range of subjects facing California water agencies, including technical, legal, financial, and human resource topics.

The Scholarship
The scholarship recipient will receive a paid registration to the conference, paid admission to conference meals, travel assistance or reimbursement up to a $500*, and an invitation to a West Yost hosted event (if applicable.) The total value of the scholarship is over $1,000.00.*

Qualifications and Scholarship Details
Application form (attached) and supporting information must be submitted on or before Friday, April 07, 2017.

Only students currently enrolled in courses at a university level academic institution are eligible for the scholarship. Scholarship applications will be evaluated by a panel of water industry professionals based on the following key criteria:

- Relevance: How will attending the ACWA conference help the student achieve his or her educational or career goals?
- Initiative: Has the student demonstrated dedication to pursuing a career related to the California water industry?
- Other considerations such as special circumstances may also be considered (i.e. the student has overcome an unusual challenge or obstacle).

Graduate or undergraduate applicants must be 18 years of age or older as of May 09, 2017.

*Students are responsible for all travel arrangements and initial costs. Travel reimbursement will be awarded to the student after attendance at the conference has been confirmed. However, West Yost can work with students to prepay select travel expenses.

The scholarship recipient will be paired with a West Yost mentor for the conference. Phone interviews with select candidates may be conducted.

The recipient will be announced on Friday, April 14, 2017.

For more information contact:
Sonia Olton, (530) 756-5905 or careers@westyost.com
WHO WE ARE
Based out of Modesto, California, G3 Enterprises was founded by the 3rd Generation of the Gallo Family with the vision of expanding services and increasing productivity to better serve the wine and spirits industry. With more than four decades of experience, we deliver results while building partnerships with our customers and suppliers throughout all of California.

PAID INTERNSHIP OR SEASONAL WORK BEGINNING LATE JULY
As a G3 Enterprises Intern or Seasonal Hire you will report directly to the Manager of Agricultural Transportation. You will assist the Agricultural Transportation team in executing on the group’s mission, including, but not limited to: service integrity, outstanding customer interactions, billing systems input and analysis, and special projects.

QUALIFICATIONS & RESPONSIBILITIES:
• Must be able to take Fall Quarter off (Harvest is July - November)
• Ability to work 6 days a week, 12 hour days
• Coordinating delivery times and grape varieties with Winery Grower Relations
• Assisting Dispatching Towers for scheduling grapes & pomace
• Collecting vineyard data & paperwork from contracted growers
• Participating in billing systems for transportation of grapes and pomace
• Responsible for day-to-day winery processes from Dispatch Center
• Maintain a written weekly schedule of activities and attend required meetings
• If hired under the Internship Program, the intern will create a project/binder that synthesizes their work over the course of harvest

CURRENT OPPORTUNITIES FOR HARVEST
• Field Dispatcher. You will be required to communicate with growers, truck drivers, and winery dispatch. The field dispatcher is the eyes and ears out in the field and will help coordinate deliveries. A vehicle will be supplied. Clean driving record required. Bilingual in Spanish is helpful, but not required.
• Shuttle Operations. Coordinate grape loads at the winery to the crush pits. Strong communication and operational skills needed. Bilingual in Spanish is helpful, but not required.
• Billing Systems. You will be required to talk with carriers, truck drivers, and winery dispatch. Focus on process improvements and billing accuracy for grape and pomace loads. Able to learn new systems quickly and handle large volumes of paperwork daily. Proficient in Excel. Bilingual in Spanish is helpful, but not required.

WHAT WE OFFER
We offer excellent experience, very competitive salary, and potential for future career opportunities. Contact: Patrick Frazier at Patrick.Frazier@G3Enterprises.com

PROFESSIONAL EXPERIENCE YOU WILL GAIN
The G3 Enterprises Agricultural Transportation Internship Program is a three to four month internship designed to give broad-based exposure to the day-to-day activities of transporting grapes and pomace. Interns in the program can be expected to participate in include Fresno, Livingston, Lodi, Central and North Coast