

Advanced Technology and Applied Science “Good Stuff”- January 2010

Computer Maintenance Technology and Electronic Technology Eugene Evancoe reports:

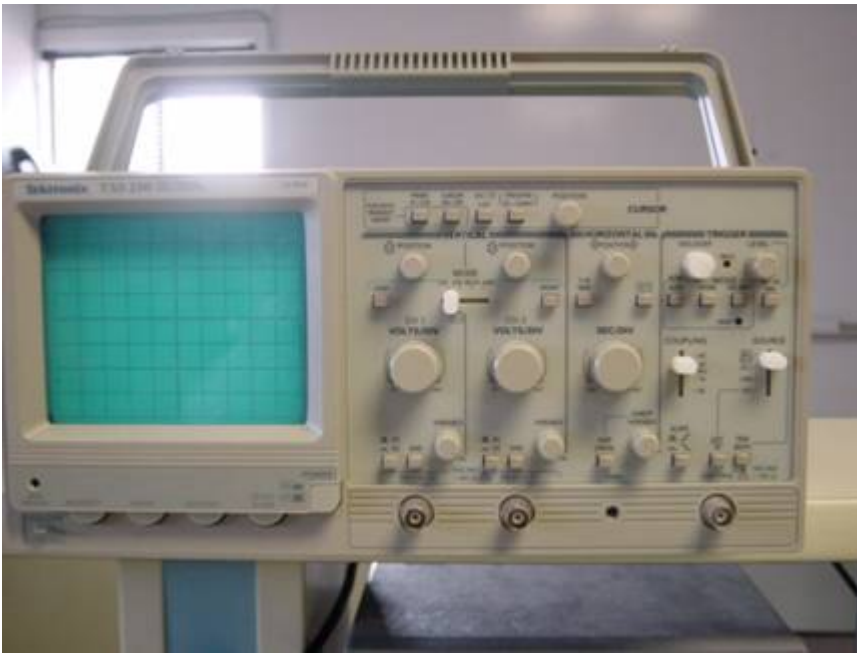
- We recently attended the first Clean Technology workshop organized by the Los Angeles/Orange County Regional Consortium. Numerous high schools and community colleges shared information about their related programs and courses, and we are considering a special topics course (ET 289) on Photovoltaic systems. This first course will be lecture only, so that no new lab equipment or space will be needed.
- During the Intermediate Robotics course in Fall semester 2009, one of our students (who is professional software programmer) designed a camera system and special software so that his robot arm could play tic-tac-toe against a human opponent. After many games, the robot was still undefeated. The student created his own website describing his detailed reverse kinematic analysis, camera system, and software.

Electronic Technology instructor Knute Josifek reports:

- Last semester, I had two students from Egypt in my Digital Electronics class. Even struggling with the language they both did very well achieving A's. They chose not to work together in lab, but teamed up with others which enhanced the learning experience for all. They even taught the instructor a few words and phrases in Arabic. Salam alechem,

Rapid Digital Manufacturing Ben Dolan and Tom Smith report:

- Completed two VitaLink tours for high school students and had a booth at a digital design day at the Costa Mesa community center attended by 312 students and teachers from 18 different educational facilities.
- Currently helping a small company build prototypes for a smog reduction device retrofittable to all cars.
- We are working with a small company on a food device for stroke patients.
- The Electronics department's analog oscilloscopes were no longer supported by the manufacturer and had numerous broken / missing knobs. They now have a new lease on life thanks to Rapid Prototyping and the department's Senior Lab Technician, Tom Smith. Using Solidworks CAD software, the knobs were built on a computer and then fabricated on a prototyping machine. The resulting knobs are durable ABS plastic and will last for many years.



Architecture Blake Stephens reports:

- Saddleback students are organizing an Architecture Club. Meetings have been held to accept nominations for club officers. Elections will be held next week.
 - Any student with an interest in architecture is invited to join the club.
 - The club may become affiliated with the A.I.A. the American Institute of Architects.
 - Lectures, field trips, design competitions, continuing education, and social gatherings are planned.
 - A board position focusing on access to scholarships is part of the club.
 - Community service and giving back to the Saddleback community are also part of the club's purpose.
 - Students are aiming at creating a community within the school to support their interest in design.
 - Meetings are generally scheduled at noon to 1 pm.

All other departments are encouraged to invite their students to join the club. Faculty support and involvement is welcomed.

Foods and Nutrition Lori Hoolihan reports:

- A session I proposed through the Nutrition Division of the Institute of Food Technologists (IFT) was accepted for the annual conference, titled "Dietary Fat and Heart Disease: Time for a Paradigm Shift?" It will summarize the new research around dietary fat and heart disease, which interestingly is showing that fat is not as bad as we once thought... in fact there are some 'good fats' in our diets. We have 3 top-notch speakers, one from industry (Roger Clemens), one from academia (Mark Periera) and one a researcher/clinician (Penny Kris-Etherton). Should be a great session! (Not till July 2010).
- FN 242 Garde Manger students and instructor Lisa Inlow enjoyed an informative field trip to Laguna Culinary Arts Cheese Shop. The shop owner Nancy Milby educated students on cheese making, different styles of cheese, purchasing and storage. Samples of each cheese style were provided for discriminating taste evaluation.

- Cindy Marshall's FN160 class will be doing a modified recipe foods lab during the month of Feb. The goal being to improve on a recipe (student's choice) nutrient content, reduce fat, sugar, salt, yet maintain flavor and quality. Students always enjoy this lab session, as there are not other culinary opportunities in this class. Students always finish asking "can we do this again later in the semester?"
- Dolores Robles, instructor, has been appointed as Chair of the Nominating Committee for the AAFCS - CA region. She has contributed articles for the CCCFCS (CA Community Colleges FCS) website and the electronic newsletter FCS flash since September 2009. Suzanne Hewitt, dept. chair, has guided students in the culinary arts class, FN 120, Meal Management by taking them on a field trip to survey local marketing trends in retail markets.
- FN 50 classes have completed dietary analysis projects to assess current intake and students are becoming their own "best" nutritionist (with much guidance).

Aquarium and Aquaculture Science Paul Curtis reports:

- MST 204 Aquatic Animal Health and Disease Mgmt, Highest Enrollment Ever
- Field Trip to visit animal medical resources at SeaWorld planned for later in semester. Dr Todd Schmidt, SeaWorld Vet, will give talk and tour of lab, surgical and holding facilities.

Environmental Studies Morgan Barrows reports:

- The semester is off to a good start...Our numbers are up 13% over Spring 2009.
- Several of our majors have been accepted at 4-year universities.
- Some student participated in the Green Expo in Los Angeles where they were able to learn about ways to reduce their ecological footprint.
- The Environmental Awareness Club is up and running, with Candice Morey as president. Checkout the website <http://www.saddlebackenv.club.officelive.com> for more information about meetings and events.

Automotive Technology Cliff Meyer reports:

- **Donations**
Mercedes Benz of Laguna Niguel is planning on donating a new Smart Car training assembly. This will be used in our classes to show the internal layout of many new automotive systems and components.
- **General**
The auto tech department engine test cell is now operational. The DTS engine dynamometer has now completed its first round of testing. The cell has been tested and calibrated. It is state of the art by industry standards. Many local automotive new car facilities such as Mazda, Hyundai and independent hi performance shops have shown interest in this new equipment. Our hope is that this equipment will provide an opportunity for the auto tech department to build new industry partnerships.
- **Presentations, Outreach and Tours**
During the month of January we hired Nicole Johnson as a program specialist with our Perkins/VTEA funding. Nicole's background includes a bachelor degree in business that she completed while at Mercedes Benz of Laguna Niguel. She has been a Mercedes Benz technician for over 7 years. Our goal is to have Nicole market our

program to the local middle schools, high schools and to the non-traditional section of our population.

On February 17th San Clemente High School Automotive Partnership Academy will be touring the automotive department.

Horticulture Robert Farnsworth reports:

- Horticulture and Landscape Design takes a small step... but a giant leap forward. We have gone further green with implementation of a student built composting system at the greenhouse grounds. It is built of recycled lumber. Besides teaching students and community members about composting, this ongoing project is expected to have several significant impacts:
- The resultant compost will be added to our student garden plots as a valuable soil amendment, helping to strengthen our garden ecosystem. The composting will help conserve water, when used as mulch. The composting will lead to reduced waste going to the local landfill.



- With the recent rains, our students and staff are getting excited about possible installation of a rain harvest system to supplement garden watering at the site.
- Our Planting Design class will be working with the Fine Arts Department to design and install a fabulous container garden at the Fine Arts Center. Students are excited to assist another dept, and the installation will be highly visible.

Fashion Design and Fashion Merchandising Diane McGroarty reports:

- Diane McGroarty attended the NADI Retail Design Collective in New York City. It offered retailers and educators a unique showroom event with an exclusive collection of the world's top visual and design resources. The show set a unique stage for retailers, visual merchandisers and designers to see and share new innovative ideas, while celebrating design excellence and offering multiple opportunities for learning and inspiration. I was able to attend 2 workshops: Visual Merchandising-Triumphs, Trends and Predictions and What's new in New York Retail. What a great time to visit New York. The selected pictures are from Bergdorf Goodman. See the details that go into producing a creative and unique window display!

Malia Hill reports:

Student News:

Former Saddleback Fashion Student Dustie Smith had a Fashion show featuring her line "Dustie Doll" at the California Market Center. See

<http://saddlebackcollegefashion.blogspot.com/2010/01/designer-launch-pad-fashion-show.html> for details.

Robbie Apple, current Saddleback Fashion student is featured here in an article in Los Angeles Times Magazine. He had a pretty successful brand that penetrated some majors including Bloomies, Barney's, Harvey Nichols London, a few others, and of course the best boutiques including Fred Segal, Lisa Kline, Kitson, Blue and Cream-Hamptons, Atrium NYC.



He is currently taking FASH 100 with JD Nowland.

Carly Layne, Saddleback fashion student, wanted to invite you all to a very cool concert that she's playing in February. It's for the Orange County Music Award Showcase Series. Every year, Orange County has its own music award show. Before the award show, they ask various bands and singer/songwriters to perform in a showcase series at different venues in Orange County. It is her first time performing in

the showcase series, and she's so excited to be a part of such an awesome event! See: <http://saddlebackcollegefashion.blogspot.com/2010/01/click-to-enlarge-carly-layne-saddleback.html> for details.

Saddleback fashion student Lindsay McCormick, landed a styling job with footwear company Cushe, just released the pictures on their website: www.Cushe.com. All of the new promotion pictures she styled! In the blog section there are some pictures of her after the SS10 shoot finished click [HERE](#)

INTERNSHIPS:

For Spring 2010, Danielle Hayes is doing her internship with Billabong in the women's design department.

Fashion Student Amanda Schultz took FASH 145 Internship this past Fall and did her Visual Merchandising Internship at Anthropologie at the Irvine Spectrum.

Check out what she has to say about her experience on her internship and the Fashion Program at Saddleback.

Favorite experience at Saddleback: My most memorable SBC experience is helping with the 2007, Carpe Diem fashion show. Putting on Carpe Diem was a great bonding experience and an awesome way to kick off my first year at Saddleback. I also really enjoyed assisting in the Fashion 150 (fashion apparel and professional techniques) class through the school's TPP program.

Something really cool you have learned on your internship: Anthropologie is big on recycling and using day-to-day materials to create their windows. I learned so many simple, yet creative ways to create windows that are extravagant, yet cost affordable.

What advice would you have for a new student at Saddleback? Saddleback has been an awesome experience for me. Enjoy the time you have there and get involved as much as possible. Ask questions, join the fashion club, and take advantage of all the free field trips. Most importantly, get to know the fashion teachers; they are full of awesome advice!

Interior Design Arlene Thomas reports:

- Fall 2009 proved to be a very active and enthusiastic time for the Interior Design Club and Department. All activities showed the high caliber of our student leadership and the interest that our students have in becoming Interior Designers. Each well-attended monthly meeting featured accomplished Interior Design professionals and their career path.
- During fall semester, several students from our Design Club participated in the Foundation Gala event by designing and constructing the centerpieces for each table. All involved had a good time while showing their commitment to the Interior Design Department and Saddleback College. The Design Club has been active in this fundraiser for several years.
- Furnishing **Hope of Orange County** has been a co-contributor to what we do at Saddleback in the Interior Design Department. Over the years, several students have responded by donating their time to help underprivileged families to refurbish their

homes. Our students have also had an opportunity to work with **Habitat for Humanity**.

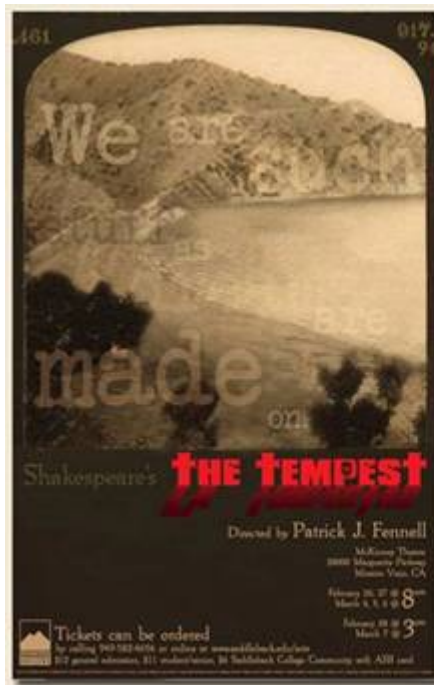
- Many of our students will be participating in a Student Career Day at Laguna Design Center on February 5, 2010 from 8 am - 4pm. Keynote speakers, showroom tours, and roundtable discussions for specific design specialties will be highlighted throughout the day. Thanks go to the Orange County Chapter of ASID (American Society of Interior Designers) for organizing this important student event.
- On Saturday, February 6, 2010, students interested in set decoration will be attending an all-day event focusing on what it is like to be a Set Decorator. The group will meet on the set of HBO's *True Blood* to see what goes on behind the scenes. This "Day with the Set Decorator" is sponsored by the Set Decorators Society of America (SDSA). We welcome their new affiliation with our program!

Alinde Herron reports:

- Students from the Fundamentals of Lightings class will be attending a field trip to Allied Lighting in Costa Mesa on February 8th. David Hertzberg co-owner of the company will be treating the students to a tour of their Lighting lab showroom for a demonstration of various current lighting techniques and fixtures appropriate for residential and commercial lighting projects.
- Melvin Kahn, president of Light Bulbs Etc., has donated many hours of his personal time to help with the design and development of a lighting lab for the Interior Design Department in BGS 132. Plans for the lighting lab are complete. We are currently scheduled for installation of the lighting lab during spring break in mid-March. Melvin's personal dedication to lighting education and preparation of our students as future lighting designers has been generous and commendable. We look forward to the completion and dedication of our lighting lab in the near future.
- Alinde Herron, instructor for Fundamentals of Lighting for Interior Designers, will be attending the Interior Design Educators Council (IDEC) Annual Conference in Atlanta, Georgia on March 23-27th. One of her main objectives is to attend a two-day workshop, "Lighting Fundamentals for Educators". Her goal is to update her lighting knowledge, gain new teaching techniques and incorporate those skills into the lighting program at Saddleback College.

Graphics Christopher Claflin reports:

- The students in Mr. Claflin's Typography class recently partnered with the Theater Arts Department to design the poster and program cover art for their current production of William Shakespeare's "The Tempest". The final design was produced by student Kristen Falkenstine, who also gained valuable production experience by working closely with the campus' Graphics department in preparing the work for print.



Typography students created over 40 different poster designs for the project. The winning design was created by Graphic Design student Kristen Falkenstine, shown below.



- Mr. Caldwell's Digital Pre-Press class gained some valuable insight into their profession during a recent fieldtrip to the International Printing Museum in Torrance. The students experienced firsthand the history of the printing technology as they operated presses from Ben Franklin's era through modern times. Student Jen Prewitt added, "Now that I've seen how this equipment really works, I have a better understanding of the processes we're learning in class."