

## **Advanced Technology and Applied Science September, 2008 “Good Stuff”**

### **Digital Rapid Manufacturing**

#### **Ben Dolan reports:**

- Students in MFG200 have produced ZCorp and Stratasys models and begun work on Thermojet wax molds.  
The computer lab has been upgraded to SolidWorks 2008.
- The oil in our larger compressor has been upgraded allowing for 100% duty-cycle so we may build robust sintered nylon parts in the DTM Sinterstation without fear of a compressor failure due to oil breakdown.
- We continue to supply custom etched bricks to The Saddleback College Foundation for the Veteran's Memorial by delivering 21 bricks this month.

### **Drafting Technology No report:**

### **Fashion Design and Fashion Merchandising No report:**

### **Environmental Studies Morgan Barrows reports:**

- Debbie Gley, and environmental studies student, found a population of the rare mariposa lily near one of the coastal sage scrub restoration sites at Starr Ranch.
- Kerri Riley is volunteering at the BioRock 2008 project in Koh Tao, Thailand building four artificial reefs that will help promote biodiversity and abundance among corals and fish to create a new dive site. It is going to be the largest artificial reef in the Gulf of Thailand.
- California Native Garden general clean-up under way with new planting materials to be added later this fall.
- Students participated in California Coastal Clean-up on Sept 20<sup>th</sup> at Newport Back Bay.
- Students in the Biodiversity Conservation class went on a fieldtrip to the Aquarium of the Pacific to learn about aquatic biodiversity and how to preserve it.

### **Automotive Technology Cliff Meyer reports:**

#### **Donations**

- Our partnership with the Tuttle-Click Automotive Group has moved to the next level. They have donated \$50,000.00 to the Saddleback College Automotive Technology Foundation for student scholarships. The tools (\$5,500.00 value) have been ordered for the seven fall 2008 scholarship students and should arrive in October. Everyone is very excited to see this program in action.

#### **Presentations, Outreach and Tours**

- During the month of September the auto tech department was host to the Member Services Manager Mr. Sean Taylor and Jani Hernandez the Dealer Relations Coordinator at OCADA. The Orange County Automotive Dealers Association is interested in providing jobs and scholarships for our

students. This month we are hosting the OCADA student written exam for the troubleshooting contest being held at Hyundai Motor America in Fountain Valley. This contest provides competition between all of the local high schools best automotive students. Two top students are selected by their test score to participate in the “hands on” live troubleshooting contest. The winners of this contest visit New York for the national contest. The winners are provided with over \$50K dollars in tools, prizes and scholarship money.

#### **Field Trips, Guest Speakers**

- On Tuesday September 30th students from Clifford Meyer’s Auto 220 Alternative Propulsion Systems class visited the University of California Irvine National Hydrogen Research Center. The students were able to see first hand the new technology that is being tested at this site. Two of the vehicles were the Hydrogen Toyota Highlander and the Plug In Toyota Prius. This was a very exciting trip!

#### **Horticulture and Landscape Design No report:**

#### **Electronic Technology and Computer Maintenance Technology No report:**

#### **Interior Design Arlene Thomas reports:**

- Moving back to the BGS Building this fall has been very exciting. While there are still some things that need to be completed, it has been wonderful to have a second large classroom and studio to accommodate our student’s needs. Currently, we are working on developing the lighting lab within the new classroom which will allow for lighting demonstrations and enhance student learning.
- On Friday, September 26, Farida Gabdrakhmanova, was honored as Outstanding Saddleback Interior Design Student at the American Society of Interior Designers (ASID) Orange County Chapter’s Annual Awards Luncheon. The event was held at Prego Ristorante, Irvine. Farida served as Design Club President last year and designed the club’s website.
- Please check out our Design Club website, [www.scidc.org](http://www.scidc.org) for more information about what our students are doing.
- A team of advanced Interior Design students were invited by Saddleback’s new President, Dr. Tod Burnett, to work on new design and color concepts for the AGB offices and lobby. Excited about the project, the students immediately went to work on colors and materials for the space. A color concepts presentation board has already been presented to the President!

#### **Cosmetology report:**

- The Lake Forest Beauty College, who provides our instruction for our Cosmetology and Cosmetician students, has moved into a new facility at 23565 Moulton Parkway, Suite A and B, in Laguna Hills.

#### **Nutrition and Foods Suzanne Denton reports:**

- A Remembrance Plaque honoring Margaretha Allebes has been installed in Village 3-01, The Culinary Lab. Margaretha spent many years guiding young people in their pursuit of culinary dreams.
- Lisa Hesse's **FN 64 class (Issues in Nutrition)** will host a guest speaker from the CSA (celiac and sprue association) --who will speak about celiac disease and the nutritional issues to keep students abreast of the latest developments in this growing nutritional concern.
- Dr. Lori Hoolihan , **FN 50** Human Nutrition instructor, had busy professional commitments with moderating a session at the Institute of Food Technologists' (IFT) meeting in New Orleans, titled "*Probiotics, Prebiotics & Synbiotics: Translating research into healthful and appealing products*" that covered immunological and intestinal benefits of regular consumption of pro- and prebiotics, and regulatory issues for the food industry. It was very well-received and there was an audience of about 300.

At this same conference, Lori helped organize and moderate a roundtable discussion on the interface between nutritional science and food science, titled "*Food Science and Nutrition Achieve the Impossible? Food Solutions – A Vision for the Future.*" There are many examples of how nutrition scientists say one thing (e.g. we need to reduce trans fats in our diets) and food scientists are left with the (sometimes unrealistic) charge of changing our food supply overnight to meet those recommendations. This session was an attempt to sit at the same table and develop ways to better communicate between those groups. This is a serious issue for those who are aware of the need for practical solutions to nutritional science issues.

- Suzanne Denton's **FN 110** did an off campus market survey at Gelson's Monarch Bay, evaluating current industry trends, and marketing techniques.
- The Foods & Nutrition classes are all full and stuffed to the "gills" with eager students.
- The department welcomed a new culinary instructor for **Cultural Foods**, French chef, Dominique Fournier, a seasoned chef educator with varied European and American culinary experience.
- Lisa Inlow's FN 228 Italian Foods - Students have studied the regional foods of Piedmont, Lombardy, Veneto & Tuscany --Mastering classical techniques for gnocchi and cannoli..
- Lisa Inlow's FN 244 Basic Baking - Students have practiced mixing methods for quick breads. Mastered pie dough & learned how to produce smooth puddings and creams.
- Lisa Inlow's FN 242 Garde Manger - Students enjoyed an informative field trip to Laguna Culinary Arts Cheese Shop. Owner Nancy Milby educated students on proper handling of cheese and explained the different categories and classifications.

**Graphic Design and Graphic Communications no report:**

## **Communication Arts**

### **Hiro Konishi reports:**

- A Communication Arts graduate, Karyn Bower, has recently produced two TV stories for KDOC: One is about Buck Henry, co-creator of Get Smart. The other is about Bryton McClure, a star of The Young and The Restless/Irvine resident. The stories are also available on ocregister.com.
- Peter Shafron did it again. "88 Years in the Closet" won the Audience Award for the Best Documentary at the Ninth Annual Big Bear Film Festival. The success of the film became an article on The OC Register as well.

### **Pat Helmstetter reports**

- One of my students (both classes-110 and 189-Voice-Over) has landed the job as a play-by-play announcer for Gauchos Football broadcasts!

## **KSBR no report:**

## **Aquarium and Aquaculture Technology**

### **Julie Anderson reports:**

- MST 100 class had great enrollment. Students have established 12 project tanks and will continue to run these the duration of the class.
- An estimate is being prepared for repairs to the badly damaged and leaking roof of the patio area of the SM Greenhouse/Aquarium Facility. Once this work is completed we will begin implementation of our re-design plans for the area:
- Re-power the electrical (we have no power or lights currently)
- Install a *surplus* utility sink and cabinet
- Re-establish the temperate (local area) marine ecosystem – including lifting the 9 ft x 4ft x 4 ft long tank and rotating for better view and rear access for aquarium students to maintain exhibit) *This will be a major project that will coordinate efforts of MST 101, 203 and 206 students of next semester will be engaged in this project*

### **Donations:**

- We received a generous donation of filtration media and synthetic sea salt from United Pet Groups. They continue to support our programs need for essential supply items. Many of the products we use are shipped from various states pending on where they are manufactured; Marineland Products, Aquarium Systems and Instant Ocean.

## **Marine Science Technology no report:**

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