



Department of Automotive Technology News

Fall Edition 2005

Pittsburg State University



New Administrative Assistant

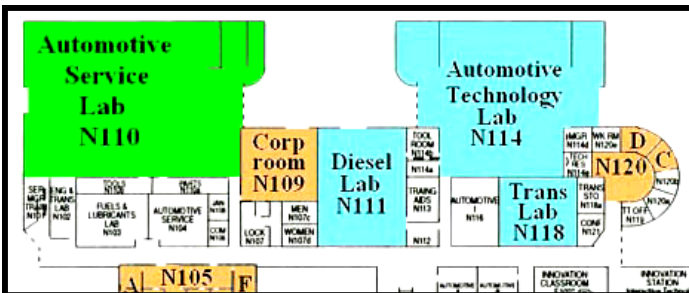
Our Own Department

We are very pleased to announce the hiring of Debbie Gray as the Administrative Assistant of Automotive Technology. Debbie, her husband Nick, and children Katie & Jessica moved to southeast Kansas this summer. Nick accepted the head football coaching position at Columbus High School. Nick and Debbie both graduated from Pittsburg State. Debbie graduated from PSU College of Business in 1993. Debbie started work in July and now has the department running smoothly. She is a great point of contact, and has a good handle knowing where all automotive faculty and the department chair are located throughout the day and their upcoming travel. Debbie can be reached at 620 235 6189, and the department's new fax number is 620 235 6190.



All of the PSU automotive programs have been reorganized and placed into our own department effective Fall 2005! Previously, the 2-year and 4-year automotive programs were housed under the Department of Technology Studies along with various other programs like Wood Technology and Technology Education. We still have the leadership of Dr. John Iley as our department chairperson. He also continues to chair the Department of Technology Studies.

This change was part of a college wide reorganization, changing from 4 departments and 4 chair persons within the College of Technology, to 5 departments and 3 chair persons. Our new department includes the 2-year Automotive Service Technology program and the 4-year Automotive Technology program. They are considered premier programs both locally and on a national basis. Our new status improves the exposure of both Automotive Programs. The new departmental administrative assistant's position is a huge asset.



New BST Option

NEW DEPARTMENT OF AUTOMOTIVE TECHNOLOGY & OFFICE (N120)
NE CORNER OF KANSAS TECHNOLOGY CENTER

SCHOLARSHIPS

To date, the Automotive Technology Program has awarded over \$69,000 in scholarships for the 2005-2006 academic year. These funds were from alumni donations and from corporate scholarship gifts from: Bridgestone/Firestone, Caterpillar, DaimlerChrysler, Ford, Peter Kiewit, TAC, and Toyota. The University is currently working with General Motors on possible scholarships, as well.

The Bachelor's of Science Degree in Automotive Technology (BST) has been improved. Previously students had the choice of choosing an **emphasis area** in Service Management, Diesel & Heavy Equipment, Automotive Training, or Manufacturing Management, each containing 15 credit hours of course work. The new Automotive BST degree, found in the 2005-2007 catalog, has been revised to offer **5 option areas** containing 21 credit hours of course work. In addition, we introduced a brand new option, Automotive Collision Repair and Insurance Management. This new option will allow students to receive instruction in: structural and non-structural damage analysis, estimating, insurance appraisal and adjustment, and paint refinishing. In addition, we also changed the Service Management emphasis area,s name to Service Management & Marketing, providing a clearer and more accurate description of the course work.

Hybrids are Big at Pitt State

Almost everyone has at least some interest in hybrid technology for automobiles. This is especially true in the Automotive Technology program. The fall semester has been packed full of presentations on this promising trend.

Curriculum legislation was recently passed for a new course entitled "Future Power Technology for Automobiles." Plans are to teach it for the first time next year. The program was also happy to accept the donation of a Toyota Prius for "hands-on" training.

A course entitled "Emerging Developments in Automotive Technology" is popular with students. Three graduates have been guest presenters during the semester:

Jay Brown (BST 2000) made presentations in several classes during homecoming week on Toyota's Hybrid



Jay Brown, shown above is making a presentation on "Fuel Cell Vehicle Technology" to combined automotive classes in the large KTC Auditorium.

Fuel Cell Vehicles (HFCV). Jay is employed at Toyota's national headquarters in California. A significant part of his responsibilities involve maintenance and research of the Toyota fleet of fuel cell vehicles.

Richard Secrest (BST 1982, MS 1983), Lexus Eastern Area Service Training Specialist, presented at the Four

States Regional Technology Conference on November 18. He also made a presentation to 45 students in the emerging developments class.

Students had the opportunity to drive these vehicles. They were impressed!

Our students are becoming well-versed in hybrid technology and the advantages they bring to reducing our energy dependence on foreign crude oil.

Toyota Prius Donation



Cody Emmert, recent intern for TMS Hybrid Powertrain Quality Assurance, explains Prius components and system operation.

Business Ethics Seminar to be held again Spring 2006

In April 2005, we held our first **Business Ethics Seminar** for the automotive students. The idea to do this came from Cameron Ferguson of Caterpillar. We had industry guests from Caterpillar, John Deere, Peter Kiewit, and Wolfe Automotive Group share ideas with over 80 automotive students. We will offer this seminar again this spring. The date is set for April 25, 2006. We will again ask industry to offer their insights on business ethics to the automotive students.

Stewart & Stevenson comes to the aid of DHE Program.

Stewart & Stevenson Services, Inc. of Houston, TX, along with the Allison Transmission Division of General Motors, were able to present to the College, two Allison 1000 Series transmissions for the DHE lab.

The addition of the Allison transmissions to the DHE program helps fill a much needed area in the heavy equipment field. It now allows students to get a hands-on and close up look at the technology present in heavy duty automatic transmissions during the On-Highway Systems class.

During their visit to PSU, Terry Hatcher and Carolyn Awe-Husky were both able to participate in the Automotive Technology Department's Advisory Council meeting. Their valued input to the program continues to allow us to keep our programs and students headed in a direction that fills industry's needs.

DaimlerChrysler Corporation Fund

We want to thank DaimlerChrysler for their annual cash gift to PSU Automotive Technology. The money is used for program operation and development.

Granite Construction Donation

Granite recently donated a cash gift of \$10,000 to fill the remaining tool boxes in the diesel lab and to purchase an oscilloscope. Each work group will now have their own set of tools for working in the diesel lab.

Richard Weathers Seminar

The Annual Richard Weathers Seminar will be held on March 15, 2006. The presenter will be Scott Norman with Daimler Chrysler. Topic to be covered will be new DaimlerChrysler technology including the "New World Engine" and 2006 vehicles.



Representing Stewart & Stevenson were Terry Hatcher, VP Human Resources and Carolyn Awe-Husky, Corporate Recruiter. Representing PSU were, Dr. John Iley, Tim Dell, and Bob Schroer.

2006 Korean Mini-Baja Team Selected

The Department of Automotive Technology is proud to announce that the following students have been selected to represent Pittsburg State University as part of the 2006 Korean Mini-Baja Team at Gyeongsang National University, Jinju Korea:

- Cody Emmert (Team Captain)
- Vincent Bartone (Graduate)
- Mark Turner (Senior)
- Shawn Winkler (Junior)

The Selection Committee believes these young men have the necessary attitude, maturity, and attributes of professionalism and diplomacy that will make them excellent PSU ambassadors to Korea and Gyeongsang National University. The Department is

confident that GNU will send a very favorable report back to PSU upon the conclusion of their stay. We all are excited for them as they prepare to embark on this unique opportunity to study abroad in Korea. Each of them brings their own unique talents and characteristics to the team. Collectively, we believe they will make an excellent 2006 Korean Mini-Baja Team that will be able to compete at the highest levels in the Korean Mini-Baja Competition, as well as meet the demands of their assignments at GNU.

They will be leaving the latter part of February and not returning until after the Korean Mini-Baja Race, which takes place in July. In addition to taking classes and building their Mini-Baja vehicle, they will be working with Korean students in Conver-

sational English for fifteen hours per week.

The Department is grateful to Gyeongsang National University for providing this unique study abroad opportunity to these students. GNU is also providing them with lodging and meal plans while they reside in Korea. We are all most appreciative.



Dr. John Iley, Prof. Choong Lee, & automotive student Cody Emmert of PSU, visit with GNU Officials in Korea

Industrial Tours

INDUSTRIAL TOURS TRIP

On Sunday, November 13, twenty-one students and three faculty; Bob Schroer, Ken Gordon, and Roger Adams left for the Industrial Tours Trip. The group traveled by bus to Moline, Illinois. On Monday, they toured the John Deere Seeding Group, the Harvester Works (combine plant), and the Davenport Works where skidders, loaders and graders are built. The group then went to the Collector's Center and to the John Deere Pavilion to look at the displays.

On Tuesday, the group toured the following facilities at Caterpillar: the foundry, engine plant and the track vehicle plant. On Wednesday, the group went to Decatur and toured the quarry truck, grader, and scraper plant.

PROFESSORS VISIT KIEWIT JOB SITE

Roger Adams, Bob Schroer, and Tim Dell participated in a "Professor Visit" to a Gilbert Southern Kiewit job site in Florida. In hard hats and safety vests they toured the Miami Intermodal Highway construction project. They were also able to have

dinner and visit with PSU alumni Randall Starkey and Jeff Stanley.

S.E.M.A / N.A.C.E

Bob Frisbee, attended the S.E.M.A. automotive show and the National Autobody Congress Exposition (N.A.C.E) in Las Vegas during November. Activities were held at the Las Vegas & the Mandalay Bay Convention Centers respectively, and were attended by representatives of equipment manufacturers and members of the automotive industry from around the world.



Cody Emmert testing the GSNU Mini Baja car that they built to compete in the 2005 event.



PROFESSORS ADAMS, SCHROER, & DELL VISIT GILBERT- KIEWIT JOB SITE IN FLORIDA

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We're on the web!

<http://www.pittstate.edu/tst/autotech/index.html>

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2006 PSU Automotive & Diesel Calendar

Jan 18 - Enrollment
 Jan 19 - 1st day of Spring semester
 Feb 16 - PSU campus wide Career Fair (student center)
 Feb 17 - College of Technology Spring Open House
 Mar 2 - PSU Commemoration Day
 Mar 9 - Automotive Orientation Day
 Mar 17 - Richard Weathers Automotive Seminar - New Chrysler Technology presented by Scott Norman
 Mar 20-24 - Spring Break
 Mar 23-25 - Mid-American Truck Show, Louisville, KY
 Mar () - Kansas City Auto Show
 Mar () - SAE field trip to KC Auto Show, Harley Davidson
 Mar () - [VISION](#) Hi-Tech Training & Expo (Kansas City)
 Apr 8 - PSU SAE Annual Car Show
 Apr 20 - Skills USA, Kansas competition (Wichita,)
 Apr 25 - Automotive/Diesel Industry PSU Ethics seminar
 Apr () - Enrollment for Summer & Fall 2006 classes
 Apr () - Transfer enrollment for Summer & Fall 2006
 Apr () - College of Technology Awards Banquet
 Apr () - College of Technology Advisory Committee
 May () - Luncheon for Outstanding seniors
 May 3-4 - Ford AAA student auto skills & ultimate master tech challenge for KS & MO, (KS Speedway)
 May 19 - PSU spring semester ends
 June 6 - Summer 2006 semester begins
 June () - Mini baja 'West' competition
 June () - Mini baja 'Midwest' competition
 June () - National Skills USA Competition
 June () - Four State Farm Show (Pittsburg, KS)
 July 28 - Summer 2006 semester ends