I t has been a very eventful year in the Mechanical Engineering Department as well as the College of Engineering. First, Dr. Eric W. Kaler was appointed Dean of the College last August. For the past four years, Eric was Chair of the Chemical Engineering Department. Dr. Andras Szeri, who served as the Interim Dean for the past two years, has returned to Mechanical Engineering.

We are all thankful for his service and contribution to the College. After serving as Acting Chair for a year, I was recently appointed Chair of Mechanical Engineering. I appreciate very much the support of the faculty during the past year, and I am excited about the opportunity to work with the faculty, staff, and alumni to continue our effort in building a strong department.

We are also very excited to welcome our new faculty member, John E. Novotny. Dr. Novotny received a bachelor of science degree in mechanical engineering from Yale University in 1989. He then served as a research fellow for one year at the Wilburn Schiffers Klinik in Zurich, Switzerland, performing studies on the human spine. After moving to the University of Vermont, he received a master of science degree in biomechanical engineering in 1992 and a doctoral degree in mechanical engineering in 1997. Dr. Novotny also spent three years as a post-doctoral associate with the Department of Orthopedics and Rehabilitation at the University of Vermont.

Dr. Novotny’s research interests include orthopedic and sports bio-mechanics of the shoulder, spine, and knee. Other recent work has focused on both experimental and analytical methods to study tissue and cellular mechanics within ligaments, tendons, and articular cartilage. The arrival of Dr. Novotny further strengthens our biomedical engineering program.

We have also initiated the search for two new faculty members in the solid mechanics and fluid mechanics areas. These are positions vacated by Professors Anthony Wexler and John Lambros, who left Delaware for the Chemical Engineering Department.

Dr. Lambros, who left Delaware for the Mechanical Engineering Department at the University of California, Davis, was Chair of the Chemical Engineering Department for six years ago and has been a very active contributor to our Senior Design program. Nate will work closely with the departmental Alumni Relations Steering Committee and me and with Wanda Meek, the new College Development Officer. Nate has also taken over the responsibility of Managing Editor of this Newsletter.

This fall semester we welcome the forty-six students of the class of 2004, which includes eleven women, and fifteen in the Honors Program. Also, this fall we welcome sixteen new graduate students. The department has fifty-three graduate students, thirty-one of whom are pursing the Ph.D. degree. There are also eight postdoctoral fellows, visiting scholars, and research associates.

In last fall newsletter, I reported the visit by a team from the Accreditation Board of Engineering and Technology (ABET) to the College of Engineering and the evaluation of our undergraduate Mechanical Engineering program. I was very pleased to receive the ABET evaluation report in September and the wonderful news that we have been accredited for a full six-year term. The faculty are now preparing for a strategic planning meeting, to be held in the Winter Session. I hope to report to you in the next issue of ME News our vision of the future of the department.

I would urge you to continue to be an active member of the department’s alumni community. Please keep us apprised of your own activities (e-mail: clutch@udel.edu) and log on to http://www.udel.edu/alumni/alumnet.html to update your contact information. Finally, on behalf of the students and faculty of Mechanical Engineering, I want to express our sincere appreciation of the support and encouragement from our many alumni during the past year and wish you all the best for the New Year!
William J. Just 63BME of Atlanta, CEO of Total Association Management Services, Inc., has been appointed to the international board of directors of the Convention Liaison Council (CLC) for a two-year term. He also is one of six professionals to be recognized by the CLC for contributions to the meetings, conventions, and trade show profession with a bronze head plaque at the Washington, D.C. Convention Center and McCormick Place in Chicago.

Mark J. Donald 71BME of Lakeland, Fla., has joined Rodda Construction Co., there as director of project management.

John R. Lombardo 82BME of Chicago is procurement manager for BP Amoco Corp. there.

Stephen Ellery 83BME of Gilbert, Ariz., is a plant manager for Hexcel Satellite Products, an advanced structural materials company there.

Alan W. Flenner 86BME of Camp Hill, PA received a degree from the Dickson School of Law at Pennsylvania State University in Carlisle.

Lee Ahlstrom 89BME, 91MME of Houston joined the consulting firm of McKinsey & Co. there as an energy specialist on the upstream side of the petroleum practice.

Robert W. Hooley 94BME of Scottsdale, Ariz., is director of marketing and business development for LightLogic, Inc. in Santa Clara, Calif.

Jessica Broderdorf 96BME of Exton, Pa., is an energy engineer at Honeywell in Ft. Washington, PA.

Larissa Nichelle Eassom 96BME of Largo, MD, is an engineer at Bell Atlantic in Washington, D.C.

Alexander T. Dee 98MME has been named Manager of Engineering at Fujikura in San Diego, Ca. The golf shafts that he has designed are now #1 in the Ladies Professional Golf Association (LPGA) and are the fastest growing in popularity in the Professional Golf Association (PGA). He is currently designing all of the shafts for the Taylor Made’s new line for 2001.

DOUBLE DELS

Linda (Scarrow) Craven 72AS is president of Studio Graphics Inc., in New Bolton Center in Philadelphia, as a freelance specialist on the upstream side of the petroleum practice.

Robert W. Hooley 94BME of Scottsdale, Ariz., is director of marketing and business development for LightLogic, Inc. in Santa Clara, Calif.

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NEW ADDITIONS

Julia Nicole, born Dec. 6, 1998 to Pattie and Lee Ahlstrom 89BME, 91MME of Houston.

Alyssa Lauren, born Jan. 12, 1999, to Gina-Marie Jacobs Regan 92BME and James Regan of Washington, N.J.

DEATHS

Wilmer K. Benson 37BME of Gathersburg, Md. July 19, 1999

Robert J. Kee 41BME of Chadds Ford, Pa., Sept. 15, 1999

Joseph E. Thompson Jr. 51BME of Newark, Del., April 30, 1999


Alumni Relations Coordinator Named

Nate Cloud, PE, (64EG, 70M/EG) has agreed to be coordinator of alumni relations for the Department, filling a role previously carried out by Dr. Tony Wesler. Nate wrapped up a 35-year engineering career with the DuPont Company in 1999 and started an engineering and consulting business, Cirrus Engineering, Inc. In early 1999, he extended his professional activities by joining the Department’s Senior Design Team Staff, focusing on getting project sponsors for student teams. (As this issue of the newsletter goes to press, nine projects, all sponsored by local industrial businesses, are being completed under a new single-semester format).

When Nate initially wears his Alumni Relations hat, he will focus on developing communication networks with and among alumni using traditional means such as this newsletter, as well as the Internet. (See signup request in this issue). Plans to gain broader participation in the ME Alumni Association are also being formulated. An underlying theme of the new alumni relations program is “creating a community environment where mutually beneficial relationships can develop among alumni, and with students, and the Department”.

Financial support of the department is an essential ingredient for this theme to become a reality. “As I took the reins as managing editor of the newsletter and began to review articles for inclusion in this issue,” Nate says, “I realized, with embarrassment, that my name wasn’t among the list of 1999 contributors! Fortunately, I will be able to see my name on the list for 2000 and also have the experience of helping to create an environment where contributions can be more effective!”

Alumni Get Connected

All Alumni are urged to “sign up” on the Mechanical Engineering Web Site. This is a great way to get in touch with each other and with the Department! Simply log on to the World Wide Web at http://www.me.udel.edu/Homes/ and follow the following “click” path: Alumni; Alumni Sign Up Forms; Sign Up (at bottom of list)

A picture of the Alumni web page is shown. – Look for new and exciting improvements in the future!

Feedback

We would very much like to have your feedback. Please let us know what you would like to see in this newsletter, and please, if you have information about yourself or fellow alumni, or if you have articles and photos that you would like to share, send them to us for possible inclusion in the next newsletter. We will also be encouraging other means of sharing this information to help build the community of alumni. E-mail information to Nate Cloud (cloud@med.udel.edu) or to Diane Kukich (kukich@ecn.udel.edu) or send it to Nate Cloud by “mail mail” at 120 Spencer Lab, University of Delaware Newark, DE 19716.

Alumni Get Connected
Back Creek Boys

by Terry Conway Reprinted with permission from The University of Delaware Messenger, Vol. 9, No. 1/1999

Built on a stretch of farmland once owned by Joshua M. Clayton, the first governor of Delaware, the Back Creek Golf Club is making a little history of its own.

Its creation on the outskirts of Middletown, Del., is the work of Allen Liddicoat, Mark Cirino, and Kevin O'Brien, Esq. and Rick Woodlin, 72BME as well as marketing director Phil Hernandez, 91AS.

Liddicoat, a developer of custom homes for nearly 20 years, tired his hand at transforming an old cornfield into a dazzling golf course in 1996. He succeeded.

Big time. In a March 1989 issue of Golfweek, one of the nation's premier golf publications, the Back Creek Golf Course was tabbed as one of the "Top 100 Modern Golf Courses in America." Ranked No. 98, Back Creek was one of a handful of courses that were highlighted in the article..."...the market is changing..."...leaving room for modestly scaled style and substance by lesser-known designers. Witness the appearance of a real-estate-related, daily fee course in Middletown, Del.

The routing of Back Creek allows plenty of homefrontage, but the holes also hew to the tradition of an architect, and offer a lot of room for awkward forced carries and are walkable rather than requiring a cross-country highway to get from green to green to next tee.

It was sweet praise for a first-time amateur course designer.

The Back Creek project is a golf community that began in 1989 with the purchase of the land. Today, the community consists of three distinct residential sections. The course weaves its way through the development but, unlike many courses, gives no feeling of being hemmed in by the homes.

When it opened in fall 1997, the $2.4 million Back Creek was the first public golf course built in New Castle County, Del., in 25 years.

Because of its location and reasonable green fees, Back Creek attracts players not only from the bustling southern New Castle County, but also from Wilmington, Baltimore, Philadelphia, and southern New Jersey.

When Liddicoat initially began costing out the design of the course, he came to the conclusion that he was the most prominent golf course designer he could afford.

"I read every book on course architecture I could find and attended every seminar I could get into," says Liddicoat, a lifelong Delaware resident. "Then I got together with David Horn [an architect from Allentown, Pa.], and we came up with what we believed was both good and feasible."

Given that it was essentially a flat, run-of-the-mill piece of land, Liddicoat and Horn worked wonders to create a 7,003-yard, par-72, links-style layout loosely modeled after the British Open Championship Course at St. Andrews, the legendary Scottish course that has hosted many British Open championships.

"I went on trips to Ireland and Great Britain to analyze those courses," recalls Liddicoat. "What I found was gently rolling terrain, sandy soil and plenty of wind. It really gave me an idea of what the game was like when it first started."

Liddicoat made the most of the lightly wooded site. His challenging "open air" layout features an illusion of many dramatic elevation changes and landing areas, from wavy fairways and contoured greens to an assortment of sculpted mounds and knolls and thickets of spongy wetlands. By diverting water, Liddicoat created rippling ponds that come into play on six holes and variable winds, along with bunkers, that spice up the layout of the course.

Four sets of tees situated on enormous tee areas allow for a variety of play options for each round of golf. Up to 30,000 rounds are projected for Back Creek each year.

"Since there hasn't been a golf course built in Delaware for so long, it wasn't an easy approval process," remembers Liddicoat. "We worked with the Department of Land Use to develop an approval process, which ultimately included a turf management program and water quality and quantity standards."

Initially, the pair didn't have much luck with the weather. The course project started in the spring of '96, which turned out to be one of the wettest years on record. The following two years were unseasonably dry, which hindered the developers' ability "to grow the course in." A good player knowledgeable about the game, Liddicoat discovered much of the design work himself, as well as supervising construction of the course and making all field changes.

"The shapes of the greens, as well as the putting and chipping areas, are unique to that part of the county," Liddicoat explains. "They complement each other and offer a lot of shot options. It's built more like a course from the 1920s. It's more strategic than penal. The players hit around the hazards and whiz their way to the hole. It provides a variety of shot options due to the varying contour of our course. Our goal was to make it playable and fun."

To complete the project, the builders were required to move 350,000 yards of dirt. The course is aesthetically pleasing with plenty of tall grass areas that cater to the natural land and aid the water quality and quantity.

Liddicoat's next venture is a second golf course in Middletown, The Legends at Frog Hollow. Set to open in spring 2000, it will feature one of the premier playing surfaces in the mid-Atlantic region, Liddicoat says.

A golfer since age 14, Liddicoat, who is currently overseeing three separate golf courses (he's an owner/businessman of Chauncey Manor in North East, Md.), says he's lucky to get in one round a month.

So, what's the key to his success as a golf course designer?

"Some of it came from building homes for people and listening to what they really wanted," he explains. "I learned an enormous amount from reading the books of old-time architects. It also comes down to a feel for the landscape. You need a keen eye and the ability to bend a stiff challenge for even the best golfers with an overall harmony of the land."

W.L. Gore: More Than 40 ME Alums Can’t Be Wrong

by Diane Kulich

New graduates are faced with lots of choices about a career path, including whether to sign on with a large company or a small one. In the case of more than 40 ME alums—from W. L. Gore & Associates—represents the best of both worlds.

"Gore is a big company with lots of little pockets," says Tony Del Negro. "We can move from project to project, which always suits us because of our varied interests."

Years after graduation, education continues to be an important theme with these alums. Darlene Gorton 90BME, a process engineer, has spent the past four years working in a number of business units at Gore on a variety of products, including EMX gaskets for cell phones. She is also taking courses toward a master's degree in materials science. Del Negro teaches machine design at Delaware Technical & Community College, and Cirino is active in a community group working to establish a charter school in nearby Kentonville, PA. Cirino credits his education at Delaware with making him a "good problem solver" and "to think outside the box."

With the dinner's captive audience of potential "customers," Prof. Dick J. Williams took the opportunity to pitch the ME senior design program. Run like a consulting firm with real customer problems for the students to solve, the program is always in search of project sponsors. "For those who have already completed senior design projects as students, it's a valuable experience to be on the other side of the problem," says Williams.

Gore has repeatedly been named among the "100 Best Companies to Work for in America." Based on their comments at the dinner, the ME alumni who have chosen Gore as their workplace agree.

Editor's Note: The following attended the alumni dinner:

ME Alumni Organization
William R. Chambers Jr.
Nathan Cloud
Kenneth S. Citer
Mark W. Hopkins
Robert J. Shoemaker

University of Delaware
Dr. Tso-Wen Chou
Dr. Michael D. Greenberg
Dr. Andreu Z. Serr
Dr. Jack R. Vinnon
Dr. Anthony S. Wesker
Dr. Dick J. Williams
Kevin O'Brien, Esq.
Diane Kulich

A Marathon Investment

by Nicole Penzliner, reprinted with permission from The University of Delaware Messenger, Vol. 9, No. 1/1999

F rom the time they first met—30 years ago in line in Kent Dining Hall, Michael Boyle, EG '69, and Jocelyn Brown Boyle, CHEP '89, clicked immediately.

Today, their partnership is still going strong—both on a personal and now, professional level. Mike who for years worked as a financial analyst and who always sought adventures in retail art and framing business, launched a successful San Francisco-based art mutual fund in 1998 called the Boyle Marathon Fund.

"We couldn't be in a more competitive business than we are now," says Mike Boyle. "But, one of the things we learned well at Delaware was how to set goals and go for them."

On the surface, the manner in which the Boyles started their business—moving cross-country from Florida to San Francisco without jobs in place—might seem risky to some. "We had a lifetime goal to live in the city that we most loved and be our own bosses," says Jocelyn, who majored in physical education at UD. "It was just a question of when we'd get to that point."

The big move west occurred 10 months after Mike took part in the U.S. Marine Corps Marathon in Washington, D.C., in 1996, finishing the 26.2-mile run in a respectable 4 hours and 23 minutes. "Taking part in a marathon is about going for the long haul, making it to the finish line," he says. "It seemed natural that we would use that word 'marathon' for the name of our mutual fund."

Though not professional investors, the Boyles have been buying and selling stocks for more than 20 years and found themselves doing quite well. So well in fact, that both Mike and Jocelyn were looking for a challenge that "would be a good fit for the second half of our lives."

In May 1998, the couple bought San Francisco's two decided to create a career niche that would mesh their personal and professional goals.

"We wanted to be our own bosses and have the ability to work together," Mike says. "We knew, when we moved out here, we could continue investing on our own or let other people join us and do just as well as we are."
Burlington Couple Opens Home and Heart

by Shannon Huss Roat, AS ’87 with permission from The University of Delaware Messenger, Vol. 9, No. 1/1999

Four years ago, Ronan and Jonathan Leopold were talking about a life-changing event. They were newly married and their 1-year-old daughter, Sarah. After watching an Oprah Winfrey show about foster parents, Sarah came to the dinner table and suggested they open their home to foster children. “She always wanted to have more children and was able to convince us that this was something we should try,” says Jonathan.

Along with son, Jesse, EG 2002, now a sophomore at the University, the family welcomed eight foster children—six in six months, when Sarah and Jesse are home to be a part of their “parenting team.” It also helps that Jonathan works out of a home office. The Leopolds are careful to take children only when they are certain that they can offer the time and love that is needed. “They can call us any time, and we can say ‘yes’ or ‘no’ at any time,” says Ronan.

The Leopolds have encouraged others to become foster parents as well, including neighbors and friends. In the civic-minded community of Burlington, it hasn’t been difficult for people who are willing to give back, says Jonathan.

“Vermont is such a wonderful place because there is such a tradition of being involved in the community,” he notes. “If you have an experience like foster children, you just make it part of your life. There’s not a question of how to find time.”

by Jerry Rhodes, permission from The University of Delaware Messenger, Vol. 9, No. 3/2000

Hot Wheels

T

hink of it as an engineering lab on two wheels—a mechanical engineering class with an attitude. It’s UD Injury No. 1, a one-half scale formula race car built by UD-SAE, the University chapter of the National Society of Automotive Engineers.

UD-SAE was established in 1996 through the efforts of a handful of car enthusiasts and John Lambros, assistant professor of mechanical engineering who started to serve as the group’s faculty adviser after seeing how serious the club members were about putting a race car together.

“I got involved through the efforts of Suki Malghan, Z, who joined the club, who started the club,” says Jonathan. “I like cars, and I was impressed with what he had done, so I agreed to become faculty adviser.”

Last summer, club members began working on a vehicle to enter in national competition against other SAE clubs, held each May at the Silverstone, in Pontiac, Mich.

The car that recently made the trip to Michigan is a sleek, blue formula style race car powered by a 610 cc, 0.6 liter engine that cranks out 65 horsepower; the car is capable of going from zero to 60 mph in about 4 seconds.

“Driving this car is like no other car you have ever driven,” club president Andy Parke, EG 2000, says. “When people get out of the car after driving it, their hands are usually trembling.”

For most club members, joining UD-SAE represents a continuing love affair between car and driver.

I got involved with this through the engineering outreach program,” says Udin Desai, Mike Hawley, EG 2001, club vice president. “After this, the design is modified on the computer through the use of a computer-aided drafting program.”

From the drawing board to the driveway, each step of the assembly process is performed by individual members united in a team effort.

“You plan as much as possible, then you start to put things together,” Parke says. “You work out from the center, and you are constantly changing things as you go along.”

UD-SAE placed well in both the “national championships.” UD-SAE placed well in both the “national championships.”

The competition consists of technical inspections complete with a thorough safety check followed by static events and actual driving contests. Among the static events are the presentation, where team members try to attract investments from business representatives, and the cost event, in which the judges are given full details involving the cost for each item used in building the car.

In the design event, team members sit down with industry experts to demonstrate their expertise and explain their creative decisions.

UD-SAE placed well in both events, finishing 22nd in the cost event and 23rd in the design event, but did not place in the driving category.

While team members recognize the importance of these competitions, all agree that nothing is quite like the thrill of driving against the clock and their fellow competitors.

“The car is really quick, and you just can’t compare driving it to anything else,” says cos. “The car handles nicely, and the acceleration is incredible.”

Plans for next year include the use of a fuel-injected FZR 600 Yamaha engine and the shedding of about 100 pounds in car weight through the use of a carbon-fiber body.

“Each year, we build a whole new car,” says Parke. “And, with different design factors and new rules due out in September, you need to start on the project during the summer.”

The Boyle Marathon Fund requires a minimum investment of only $500. “The goal is to make it easy for anyone to invest,” says Joanne, adding that the word-of-mouth marketing has brought in 200 shareholders, many of them friends of the couple. “The word’s really starting to get out now and we’re growing quickly.”

Despite its small size the Boyle Marathon Fund has garnered a lot of attention, especially in the media. The Boyles were the focus of a lengthy feature in a July issue of Mutual Funds magazine which quotes their fund, “has the big professional competition eating dust.” “The Contra Costa Sunday Times, meanwhile, praised the fund’s stellar performance.

The Wall Street Journal noted that the Boyle Marathon Fund has registered a one-year return of 48.20 percent, compared with 25.59 percent for the average growth and income fund. Lipper Analytical Services, meanwhile, rated the Boyle Marathon Fund as fifth best among $408 growth and income funds for the 12-month period that ended August 26.

The Boyle Marathon Website is http://www.boylefund.com.
Jennifer M. Buckley of Wilmington, Del., a junior at the University, has been awarded a prestigious Barry M. Goldwater Scholarship. More than 1,700 college students applied nationwide for the 309 scholarships awarded this year. The awards support careers in mathematics, the natural sciences and engineering.

A mechanical engineering student with a 4.0 grade point average, Buckley grew up in her parents’ Ninth Street Bookstore. As the first student in a family of English majors, she has an irreverent sense of humor and says she has endured a lot of teasing from her politically liberal relatives over the “Republican” nature of the scholarship—something she is very willing to endure.

Buckley has conducted research on the fracture of nonhomogeneous materials, which are found in plant and animal tissue as well as adhesive layers and matrix regions of fiber-reinforced composites.

An athlete who rowes on the UD crew team and participates on Team Delaware Cycling, Buckley says she hopes to compete in a triathlon or biathlon this summer.

“I think my athletics complement my academics,” she says. “Balance is important. I’d be even more of a psychopath about my schoolwork if I didn’t have athletics to bring me down a notch. I’m able to get everything done and still maintain my sanity because of my family. They give me a lot of support. I’d be a real mess without them!”

Those family members, all with UD ties, include Buckley’s father, James J. (Jack) Buckley, AS79; her mother, Gemma Marsilli Buckley, CHE71; and her brother Matthew, currently a sophomore at UD, majoring in civil engineering.

A self-described homebody, Buckley says she wants to stay in the area for graduate school and is considering the University of Pennsylvania. For the summer, she will be working for the DuPont Co. in its engineering consulting division, possibly doing troubleshooting at nylon plants.

Honors Bay Awards

SENIOR YEAR AWARDS

W. Francis Lindell Mechanical Engineering Award to the Distinguished Senior
For the extraordinary senior Mechanical Engineering student who has demonstrated creativity, academic accomplishment and achievement as determined by the faculty of the department.
Jeffrey R. Focht

Mary and George Nowinski Award for Excellence in Undergraduate Research
For demonstration of originality in a stimulating senior research project as judged by members of the Delaware Section of the ASME with the concurrence of the faculty.
Krishan K. Blattia Jeffrey R. Focht

JUNIOR YEAR AWARDS

W. Francis Lindell Mechanical Engineering Award to the Distinguished Junior
For the extraordinary junior Mechanical Engineering student who has demonstrated creativity, academic accomplishment and achievement as determined by the faculty of the department.
Jennifer M. Buckley

Delaware Section of the American Society of Mechanical Engineers Senior Design Project
For achievements in the senior design project based upon the final design presentation as judged by members of the Delaware Section of the ASME with the concurrence of the faculty.
First Place: Flight Demonstrator Jeffrey R. Focht, Peter Peno, Jeffrey Raby
Second Place: On-The-Go Shaffer William Boyle, Jason P. Landry, Ryan Meers, Andrew Smith

Third Place: Radiographic Array Support Matthew Beecy, John King, Clod Stover

MEEG 101 UNDERGRADUATE TEACHING ASSISTANT AWARD
In recognition of selected Senior ME students, who developed their leadership, communication and teaching skills by providing support to new ME students in the Introduction to Mechanical Engineering class.
David G. Henderson
John G. Mercurio
Eric J. Morrison
Dorie A. Petor

American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE) Delaware Chapter Scholarship
For a Mechanical Engineering student who has demonstrated an interest in the thermal sciences and/or environmental academic course work as judged by the Delaware Chapter of the American Society of Heating, Refrigeration and Air Conditioning Engineering.

OTHER DEPARTMENT AWARDS

Delaware Section of The American Society of Mechanical Engineers Outstanding Student
To the outstanding student in the Delaware section of the ASME.
Eric J. Morrison

American Society of Mechanical Engineers Student Section
A certificate to an outstanding member of the ASME Student Section for good academic standing and valuable contributions to the chapter.

by Diane Kukich

When high school senior Aladrian Crowder of Owings Mills, Md., entered a contest to be an “Essence” cover model last January, she never dreamed that she would be selected out of the more than 7,000 candidates to actually appear on the magazine cover and be offered a $50,000 modeling contract.

As it turns out, Crowder accepted the cover assignment, which ran in August, but turned down the modeling contract—to major in engineering at the University of Delaware.

“It would have demanded too much of me as a student,” she said, “especially an engineering student.” As a freshman mechanical engineering major at UD, Crowder does do some modeling through a small Baltimore-based agency, but only on weekends.

“I’m trying to be especially careful not to take on too much during my first semester here,” she said. “I want to get a strong foundation in school.”

Crowder is modest about her accomplishments, but word of about her cover modeling assignment has gotten out through her friends, who show none of Crowder’s reluctance to brag.

“People come up to me now and ask me if I’m going to pursue a career as a model,” she said. “I tell them I’m going to be an engineer. Modeling is just another hobby I have, along with painting the piano, painting and writing poetry.”

Originally enrolled in the Department of Chemical Engineering, Crowder changed her major when she realized that she was more interested in the mechanical side of her intended career—biomedical engineering—than in the chemical aspects.

As the first scientist in a family of English majors, she has an irreverent sense of humor and says she has endured a lot of teasing from her politically liberal relatives over the “Republican” nature of the scholarship—something she is very willing to endure.

Buckley has conducted research on the fracture of nonhomogeneous materials, which are found in plant and animal tissue as well as adhesive layers and matrix regions of fiber-reinforced composites.

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A certificate to an outstanding member of the ASME Student Section for good academic standing and valuable contributions to the chapter.

by Diane Kukich

When high school senior Aladrian Crowder of Owings Mills, Md., entered a contest to be an “Essence” cover model last January, she never dreamed that she would be selected out of the more than 7,000 candidates to actually appear on the magazine cover and be offered a $50,000 modeling contract.

As it turns out, Crowder accepted the cover assignment, which ran in August, but turned down the modeling contract—to major in engineering at the University of Delaware.

“It would have demanded too much of me as a student,” she said, “especially an engineering student.” As a freshman mechanical engineering major at UD, Crowder does do some modeling through a small Baltimore-based agency, but only on weekends.

“I’m trying to be especially careful not to take on too much during my first semester here,” she said. “I want to get a strong foundation in school.”

Crowder is modest about her accomplishments, but word of about her cover modeling assignment has gotten out through her friends, who show none of Crowder’s reluctance to brag.

“People come up to me now and ask me if I’m going to pursue a career as a model,” she said. “I tell them I’m going to be an engineer. Modeling is just another hobby I have, along with painting the piano, painting and writing poetry.”

Originally enrolled in the Department of Chemical Engineering, Crowder changed her major when she realized that she was more interested in the mechanical side of her intended career—biomedical engineering—than in the chemical aspects.

As the first scientist in a family of English majors, she has an irreverent sense of humor and says she has endured a lot of teasing from her politically liberal relatives over the “Republican” nature of the scholarship—something she is very willing to endure.

Buckley has conducted research on the fracture of nonhomogeneous materials, which are found in plant and animal tissue as well as adhesive layers and matrix regions of fiber-reinforced composites.

American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE) Delaware Chapter Scholarship
For a Mechanical Engineering student who has demonstrated an interest in the thermal sciences and/or environmental academic course work as judged by the Delaware Chapter of the American Society of Heating, Refrigeration and Air Conditioning Engineering.

OTHER DEPARTMENT AWARDS

Delaware Section of The American Society of Mechanical Engineers Outstanding Student
To the outstanding student in the Delaware section of the ASME.
Eric J. Morrison

American Society of Mechanical Engineers Student Section
A certificate to an outstanding member of the ASME Student Section for good academic standing and valuable contributions to the chapter.

by Diane Kukich
by Neil Thomas

The Campaign for Delaware has been a great success, having reached 86 percent of its $225 million goal less than 18 months after the announce-
ment of the public phase of the most ambitious fund-raising effort in the history of the University of Delaware.

As of mid-February, the Campaign for Delaware had raised $155 million for scholarships, endowed professor-
ships, academic improvements, and capital projects. In the College of Engineering, nearly 54 percent of the
$45 million goal had been met, with gifts and commitments totaling more than $24 million.

The College will be a major benefi-
ciary of the Campaign through con-
struction of an addition to its flagship building, P. S. du Pont Hall. The architect for the project is Allan
Greenberg, who also designed nearby Gore Hall. The project will expand the west side of the building, bringing its entrance in line with the front of
neighboring Wolf Hall and providing a complement to Gore Hall, which it will face.

The University has received several major gifts—the largest being $10 million from the Longwood
Foundation—to fund the $20 million project.

However, while major gifts are
helping make such construction pos-
sible, a key objective of the Campaign for Delaware is to involve as many
alumni and friends as possible in the spirit and excitement of this fund-
raising effort, which is designed to position the University as a national
leader in higher education in the 21st century.

According to Robert R. Davis, Vice
President for Development and
Alumni Relations, “The Campaign for Delaware is about more than just
raising the money. It is about
engaging alumni in the support of the University at whatever level is appro-
riate for them given their personal
circumstances. Our goal is to get
more people involved in the philan-
thropic life of the University.”

Davis said alumni support has a direct
impact on the national standing of
the institution because many rating sys-
tems consider alumni giving as a mea-
sure of alumni satisfaction. The
higher the percentage of alumni who
give, the better the chance the University has of maintaining and improving its
national standing.

For information on how you can
become part of the Campaign for Delaware, contact the Office of
University Development at
(302) 831-2104 or go to the University of Delaware home page at
www.udel.edu and push the
Campaign button found in the bottom
left portion of the page. There you can learn more about the fund-raising
effort or make a gift online.

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tices as required by Title IX of the Education Amendments of 1972, Title VI of the Civil Rights Act of 1964, the Rehabilitation Act of 1973, the Americans with Disabilities Act, other
applicable statutes and University policy. Inquiries concerning these statutes and information regarding campus accessibility should be referred to the Affirmative Action Officer, 305 Hullihen Hall,
(302) 831-2303 (voice), (302) 831-6572 (TDD). 6752801/2802.