Board to resume discussions on budget, buildings

The Board of Trustees has budget and major construction matters on the agenda for its Sept. 24 meeting at The Hotel at Auburn University.

The board will take up the university’s 2010-11 budget for final review before the Oct. 1 start of the new fiscal year. With little new revenue available and facing an uncertain economy, the administration developed the budget along guidelines approved by the board in June.

At its June meeting, the board asked the administration to identify sources of funding for a potential one-time, merit-based salary supplement for university employees and present its findings at the upcoming meeting.

The board is also scheduled to discuss several potential construction projects, which would be preliminary to eventual demolition of Beard-Eaves-Memorial Coliseum and Haley Center, two of Auburn’s largest and hardest-to-maintain buildings. Those buildings and several others from the 1960s and ‘70s were identified at the board meeting in June for replacement within 10 years, depending on the availability of funds.

With the recent move of Athletics units to the new arena, a new home is being sought for the coliseum’s last tenant, the College of Education’s Department of Kinesiology. One proposal under consideration would include a new building for the department.

Before Haley Center can be removed, the campus will need a new central classroom building and new homes for the colleges of Liberal Arts and Education, with adequate space for faculty. Those three buildings are also tentatively scheduled for discussion at the board meeting, as is a Sciences and Mathematics building to replace Parker and Allison halls and part of the space in Funchess Hall.

At previous meetings, as a potential source of funds for new buildings, trustees have asked the administration to report opportunities for new or refinanced bond issues at low interest rates.

Committee meetings are scheduled to start at 9 a.m., followed at approximately 11:30 a.m. by the meeting of the full board. Committee and board meeting times are subject to change due to fluctuations in the number of agenda items and time available for discussion of each item. Watch Auburn Daily for updates.

Developing West Campus

During the past decade, Lem Morrison Drive has supplanted the Hill Residence Halls as the western boundary for buildings on the Auburn University campus. As the new Information Technology Building, above, takes on a brick exterior, site preparation is underway for a new parking deck between that building and the Medical Clinic to its south. For more aerial photos of current campus construction, see Page 7.

NSF awards $4.6 million for upgrade to labs in Biosystems Engineering

The National Science Foundation has awarded Auburn University a $4.6 million grant to renovate research laboratories that will enhance the university’s biological engineering programs.

The College of Agriculture’s Department of Biosystems Engineering will use the funding to upgrade the Tom Corley Building Annex, which was constructed in 1948. The renovated 23,000-square-foot facility will allow Auburn to increase its research into bioenergy and bioproducts engineering, ecological engineering, food safety engineering, biosystems automation and best management technologies.

The grant is funded through the American Reinvestment and Recovery Act of 2009. An additional $1.4 million is being provided by the Alabama Agricultural Experiment Station, bringing the total renovation cost to $6 million. The work is scheduled for completion in late 2012.

“Our nation is facing serious challenges in providing renewable energy, safe and healthy food and a clean environment. I believe Auburn is at the forefront of answering those challenges,” said Auburn President Jay Gogue. “The annex was very appropriate when built and it has allowed faculty to make advances for decades, but now it is outdated for the type of contemporary biological engineering research needed. This grant will give our faculty and students much greater ability to make new discoveries and address global issues.”

See National Science Foundation grant, Page 2
National Science Foundation grant

Continued from Page 1

Auburn scientists and graduate students will use the laboratories to expand their research into complex problems where engineering and biology intersect. This includes finding bioenergy sources, improving production and refining, and developing new bio-based products for consumers.

Steve Taylor, head of the Department of Biosystems Engineering and director of the Center for Bioenergy and Bioproducts, said the new funding will complement a $4.9 million U.S. Department of Energy grant obtained in 2009, which is being used to develop new production systems for harvesting pine biomass for biofuel.

“The renovated labs will give us much-needed research space for this project and other interdisciplinary efforts from across campus,” Taylor said. “We have collaborators from the College of Agriculture, the Samuel Ginn College of Engineering, the School of Forestry and Wildlife Sciences and other colleges and departments.”

While the new NSF grant will go toward only the renovation, Auburn faculty have been obtaining grants to acquire highly advanced equipment that will be housed in the labs. Equipment for atomic force microscopy, gas chromatography and multiple types of infrared and near infrared spectroscopy had already been attained.

“Current physical spaces to house these systems are inadequate, so many of the functions are being conducted in leased, off-site locations,” said John Mason, Auburn’s associate provost and vice president for research. “The renovated labs will allow us to bring state-of-the-art programs into a modern, on-site facility.”

Examples of Auburn’s research include developing techniques for processing biomass for production of liquid fuels or electrical power; converting biomass into intermediate products suitable for further biorefining; studying emerging contaminants in the environment; quantifying the impact of climate variability on water resources; developing food processing and packaging techniques to extend shelf life; refining food traceability systems; developing sensors to reduce the use of fertilizers and pesticides; and developing data collection to ensure long-term sustainability of agricultural and forest lands.

The labs also will allow Auburn to expand its new graduate degree programs in the Department of Biosystems Engineering. “Our master’s and doctoral programs began this fall and we already have 17 students, including international students,” Taylor said. “We should be able to accept more graduate students now and be able to recruit the very top ones.”

William Batchelor, dean of the College of Agriculture and director of the Alabama Agricultural Experiment Station, added, “This grant is a major boost to our research efforts in bioenergy, food safety and the environment. To be recognized nationally by agencies such as the National Science Foundation attests to the ability and dedication of our faculty, staff and students. We will continue to build upon this success.”

— Charles Martin

Theatre University Theatre opens its 2010-11 season with Harold Pinter’s “The Birthday Party” Sept. 23 through Oct. 1 on the main stage of Telfair Peet Theatre.

“The Birthday Party” was Harold Pinter’s first full-length play premiering in England in 1958 in advance of a well-received 1968 run on Broadway. Described by critics as a classic of mid-20th century theatre, the play had a successful 50th anniversary revival at London’s Lyric Theatre in 2008.

“The Birthday Party” is directed by Chase Bringardner of the Theatre Department faculty in Auburn’s College of Liberal Arts.

“For a play written a half-century ago, it remains oddly, eerily topical,” Bringardner said. “Set on a typical day in an unremarkable boarding house, two mysterious strangers arrive with an unknown purpose bringing with them a general sensation of dread that permeates the very structure of the house. In the midst of it all – a birthday party.”

Bringardner continued, “I chose the play because in our contemporary moment we all strive to maintain normalcy while all around us we are inundated with messages and images that alert us to unknowable fears and threats that could topple us at any moment. It’s a cautionary tale about what happens when masks of normalcy or self-involvement blind us to the encroaching dread, yet through it all Pinter infuses his menacing tale with a great bit of humor.”

Theatre Professor Tracy Oleinick designed costumes for the production, with scenery and lighting design by visiting artist Michael Vaughn Simms. Paul Anton provides production technical direction, and the student company is comprised of Chase Cox, Eli Jolley, Bridget Knapik, Sarah-Jean Peters, Emily Rourke and John Tourtellotte.

“The Birthday Party” runs Sept. 23-24, 28-30 and Oct. 1 at 7:30 p.m., with a Sunday matinee Sept. 26 at 2:30 p.m. For more information call the Theatre Box Office at 844-4154 or go to the website www.auburnuniversitytheatre.org.

Biomass research

Auburn student Darcey Haggan uses a thermogravimetric analyzer, or TGA, to study the thermal decomposition of a biomass sample. Auburn has obtained a $4.6 million National Science Foundation grant to renovate its biological engineering laboratories, which will house this device and other advanced research equipment.
Dedication set
Auburn University and local government officials will dedicate a new terminal at the Auburn University Regional Airport at 1:30 p.m. Friday, Sept. 24. The 26,000-square-foot facility is the latest upgrade to the airport which was founded in 1930. A runway was lengthened in 2001 to 5,265 feet to handle corporate jets; the airport also has a second runway of 4,000 feet. In addition, the airport's all-weather landing capability was enhanced through a new instrument landing system in 2007 and new approach lights in 2008.

Widow of famed WWII veteran donates set of rare Audubon works to Special Collections at Auburn

Jeanne Arceneaux Sledge has made a gift to Auburn University of six volumes of John James Audubon’s seven-volume, third-edition set of “The Birds of America, from Drawings Made in the United States and Their Territories,” published in 1859.

In addition, she has donated Audubon’s Plate 374 depicting the Sharp-shinned Hawk, engraved and printed by Robert Havell. Her donation will be housed and available to researchers at Ralph Brown Draughon Library in the Special Collections and Archives Department.

“These items are truly a once-in-a-lifetime acquisition for the Auburn University Libraries and the Special Collections and Archives Department,” said Greg Schmidt, special collections librarian at Auburn University Libraries. “Few libraries in the world have these early editions of Audubon’s books, and fewer still are located in the United States. These early editions are very difficult to acquire and expensive when found. We are extremely fortunate that Mrs. Sledge has made a gift to Auburn University of such a rare and valuable collection.”

Jeanne’s husband, the late Eugene B. Sledge, spent much of his life in academia, yet he is best known as the author of “With the Old Breed: At Peleliu and Okinawa,” which was one of the two books used as a basis for the screenplay of the recent HBO series “The Pacific.” An Auburn graduate and for many years a professor of biology at the University of Montevallo, Eugene Sledge was also widely recognized as a leading ornithologist in the region, leading many bird-study expeditions.

Eugene Sledge, who died in 2001, began donating his personal papers to Auburn in 1996. These artifacts are available to researchers in Auburn’s Ralph Brown Draughon Library and online through Auburn’s Digital Library Collection at http://diglib.auburn.edu/collections/ebsdalege/.

“The Birds of America” contains more than 500 entries and illustrations of birds made by Audubon during his extensive travels in North America during the first half of the 19th century. Schmidt says he is seeking the missing volume of the set to make this gift even more useful to researchers. The Sharp-shinned Hawk print will be fitted with state-of-the-art, ultraviolet-protective glass so it can be displayed for library patrons.

Barbara Dooley to speak at Women’s Philanthropy Board’s Oct. 1 luncheon

The Women’s Philanthropy Board in the College of Human Sciences will host its 2010 Fall Luncheon on Friday, Oct. 1, from noon–2 p.m. at The Hotel at Auburn University with Barbara Dooley as featured speaker.

Dooley is a breast cancer survivor and wife to a husband who is a throat cancer survivor. An Auburn graduate, she lives in Athens, Ga., where she is a popular television personality and author, an award-winning real estate professional and a non-profit volunteer with numerous organizations. She has been married to Vince Dooley, the former University of Georgia head football coach and director of athletics, for almost 50 years.

For registration information, contact the WPB Office at (334) 844-3524 or e-mail wpbchs1@auburn.edu.
Internationally acclaimed works by U.S-Russian couple on display at JCS

American-born Suzanne Scherer and Russian-born Pavel Ouporov are an artist team who met in Moscow in 1989 as students at the esteemed Moscow Surikov State Academic Art Institute. An exhibition of their works, “As Above, So Below: Recent Work by Scherer and Ouporov,” is on display at the Jule Collins Smith Museum of Fine Art at Auburn University through Nov. 27.

Scherer and Ouporov have received international recognition for their collaborative works encompassing painting, photography, video and installation that draws on medieval icon painting, Russian art history and literature. Their works are exhibited and included in many public collections internationally including the Metropolitan Museum of Art, the Library of Congress, Harvard University Fogg Art Museum and The State Russian Museum in St. Petersburg.

“As Above, So Below” includes a large-scale video installation in addition to egg tempera paintings, silverpoint drawings, etchings and photographs. A fully illustrated hard cover catalogue accompanies the exhibition and is available for purchase in the museum shop.

An intriguing aspect of the couple’s work is their intensely close process of collaboration in which they combine personal and cultural histories as well as concepts. The artists say that as a bilingual couple, American and Russian, they often search for connections and common roots of their two diverse languages and incorporate literature, poetry and text into their works.

“As Above, So Below” is an ancient saying used in one of Scherer and Ouporov’s paintings as well as for the title of the exhibition. It reflects an ancient Greek Neo-Platonic way of seeing the same patterns reproduced in all levels of the cosmos, from the largest scale, or universe-level, all the way down to the smallest scale. Heaven and earth, or more generally spirit and matter, are one of the many dichotomies found in the couple’s work.

Scherer received her bachelor of fine arts degree from Florida State University and her master of fine arts degree from Brooklyn College. Ouporov received his bachelor of fine arts degree from the Moscow Art School and his master of fine arts degree from the Surikov Academy of Art.

The museum will host a special fall opening reception on Sept. 24 from 6-9 p.m. featuring an artists’ talk by Scherer and Ouporov. The talk and following reception are free and open to the public.

— Colleen Bourdeau
Public lecture series to examine writing with technology for 21st century needs

Jeffrey Grabill, a Michigan State University authority on writing with modern technologies to achieve community change, will be the first speaker next week in a new public lecture series, “Composing Communities for the 21st Century.”

The co-director of Michigan State’s Writing in Digital Environments Research Center, Grabill will speak at 3 p.m. Thursday, Sept. 23, in Student Center 2227.

Grabill is the author of “Writing Community Change: Designing Technologies for Citizen Action,” which addresses how people use advanced information technologies to write for community change.

Civic rhetoric, Grabill says, requires the participation of many people and technologies. He says the work of citizenship is knowledge work, and those writing for community change must interact with complex databases — even create them — work with ill-formed sets of information, and from this material, write persuasively to professional audiences.

A professor in the Department of Writing, Rhetoric and American Cultures at Michigan State, Grabill teaches composition, technical writing and digital rhetoric courses and has helped develop and administer professional writing programs. His research is the intersection of professional and technical writing, rhetorical theory and literacy theory, and focuses on the literate and technological practices of citizens, users, students and others within communities and non-academic institutions.

Recently, Grabill’s work was included in a special issue of Technical Communication Quarterly that won the National Council of Teachers of English Award for Best Collection of Essays in Technical and Scientific Communication. His other published work includes the book “Community Literacy Programs and the Politics of Change” and numerous articles in journals such as College Composition and Communication, Technical Communication Quarterly, and Computers and Composition.

The “Composing Communities” public lecture series is sponsored by the Office of University Writing and the Department of English and the Caroline Marshall Draughon Center for the Arts and Humanities in the College of Liberal Arts. Kevin Roozen of the Department of English developed the series.

For more information about Grabill’s program or upcoming lectures in the series, see the website www.auburn.edu/cah.

Theatre professor to present reading of play in Biggin Hall on Monday

The Department of Art in Auburn’s College of Liberal Arts, in partnership with the Caroline Marshall Draughon Center for Arts and Humanities, will present a public reading of “The Synaptic Gap,” a play by Chris Qualls at 4:30 p.m. Monday, Sept. 20, in 005 Biggin Hall.

Qualls, an assistant professor of theatre in the College of Liberal Arts, created “The Synaptic Gap” using more than 50 hours of transcribed interviews with individuals coping with mental illness, specifically major depression, bipolar disorder and schizophrenia.

The play is akin to “The Laramie Project,” “Speak Truth to Power” and other works that critically examine social issues and share human experience through the use of oral history.

A reception will follow at 6 p.m. in Biggin Hall foyer in conjunction with the exhibition “Buildings in Art and Science by John Miller Gorrie.” The exhibition features the work of John Miller Gorrie, an artist living and working in Birmingham. He attends weekly classes at Studio By the Tracks, an Irondale-based arts center that provides free art lessons to adults with autism.

Qualls teaches acting, directing and introduction to theater in the Department of Theatre at Auburn. He holds a bachelor’s degree in communication studies/film from the University of North Carolina at Chapel Hill and received his master of fine arts degree in acting from the Alabama Shakespeare Festival. He has also taught at the ASF Academy and has worked as a voice-over actor for the past 25 years.


“The Synaptic Gap” is scheduled to be read and workshopped this fall at the Donovan Ensemble and Guests, Shelter Studios in New York, Shorter University in Rome, Ga., Alabama State University, Baylor University, Oklahoma State University, Jewish Family and Community Services in Jacksonville, Fla., California State University Long Beach and Cuyahoga Community College in Cleveland, Ohio.

Qualls’ play is a prelude to the College of Liberal Arts’ celebration of National Arts and Humanities Month in October. For more information on the play, the exhibition and CLA’s Arts and Humanities Month celebration, go to www.clacelebrates.org or contact Professor Qualls at TheRealStory@live.com or exhibitions and lectures coordinator Barb Bondy at bondyb-jb@auburn.edu or 844-3483.
Research partnership yielding new technologies for production of alternative fuels from wastes

A sponsored research agreement between Auburn University and an Alabama company has spawned patent-pending technologies for the production of alternative fuels from waste streams.

Under an agreement with Masada Resource Group, researchers in the Department of Chemical Engineering have developed a series of technologies that convert waste streams from pulp and paper mills into high-value products. Professors Harry Cullinan, Gopal Krishnagopalan, Y.Y. Lee and senior research fellow Sung-Hoon Yoon, along with several graduate students, developed methodologies to extract fermentable elements of current waste streams for possible conversion into ethanol.

The work of Cullinan, Krishnagopalan and Yoon focused on diverting hemicellulose from liquor waste streams. Unlike cellulose, hemicellulose is easily fermentable into ethanol for fuel purposes, and the novel process allows for recovery of this material without degradation of the mill’s final pulp and paper products. Initial estimates indicate that if all U.S. pulp mills converted to this process, an additional two billion gallons of ethanol could be produced per year, entirely from waste streams.

Lee’s work focused on converting waste sludge into useful products, first by improving fermentation yield, and also by using the sludge for producing enzymes critical for biofuel production. Such processes could increase the potential annual ethanol production over and above the projected two billion gallons.

“These projects bring together several areas of focus and expertise at Auburn, and show how they can bring benefit not only to Alabama, but to the world,” said Cullinan, who also serves as director of the Alabama Center for Paper and Bioresource Engineering.

“Masada is very excited about advancing these technologies into the commercial marketplace,” said Donald Watkins, CEO of Masada Resource Group.

“They fit in perfectly with our goals of converting existing waste streams into renewable energy sources.”

Patent applications have been filed for all of the technologies, and a license agreement has been executed between the parties, with Masada committing to developing the technologies and providing a future royalty stream to Auburn.

“This is a textbook example of how Auburn can work with an industrial partner such as Masada,” said John Weete, acting assistant vice president for research. “From sponsored research, to collaboration, to licensing and to commercialization for public benefit, this is a demonstration of how all the steps of the process can come together.”

The Masada Resource Group LLC was founded to explore, develop and deploy a stable recurring revenue business that responds to the demand for environmentally beneficial waste disposal and renewable energy. All projects were funded at least in part under the sponsored research agreement between Masada and Auburn University.

FAA presents grant to Auburn professors for research involving safety analyses of unmanned aerial systems

Auburn University researchers have been awarded a $300,000 cooperative agreement research grant from the Federal Aviation Administration to develop safety-related analyses for unmanned aerial systems.

Known as UASs, unmanned aerial systems are becoming prevalent in both military and civilian applications. Recently, interest has grown in civil and commercial operations due to the versatility and relatively low cost of UAS operations. These successes have led to a call to develop plans for the integration of UASs into the National Aerospace System.

The development effort for the grant was supported by the staff and resources of the Auburn Technical Assistance Center and the administrative office of the Samuel Ginn College of Engineering. The project is an interdisciplinary effort of the College of Business, the Samuel Ginn College of Engineering and the College of Sciences and Mathematics. Wesley Randall, assistant professor of supply chain management and principal investigator, will be working with co-investigators Roy Hartfield in the Department of Aerospace Engineering and Mark Carpenter in the Department of Mathematics and Statistics.

“Research is fundamental to the mission of Auburn University, and I am pleased to see the collaboration of faculty across multiple disciplines,” said Bill Hardgrave, dean of the College of Business.

Their work will provide a typology of UAS risk by risk type, and risk probability. The project seeks to expand the FAA’s expertise in operational safety, in the identification and quantification of UAS risk. With improved risk typology and predictive modeling capability, the FAA Technical Center will be able to evaluate risks and propose risk mitigation strategies.

Larry Benefield, dean of the Samuel Ginn College of Engineering, said, “The College of Engineering is excited to work on this cross-disciplinary effort with our colleagues in the College of Business and the College of Sciences and Mathematics, and we look forward to real benefits from this collaboration.”

“COSAM is a strong supporter of interdisciplinary research and this is a clear example where faculty expertise is contributing to the project scope and deliverables,” said Marie Wooten, dean of the College of Sciences and Mathematics.

Randall combines expertise as a supply chain academic researcher plus 20 years experience as a U.S. Air Force officer responsible for aircraft operations, maintenance and engineering. Hartfield has built a research program around modeling, simulation and optimization of aero vehicles. Carpenter brings 20 years of statistical consulting and research in reliability theory and applications, decision theory, predictive modeling and data mining, plus experience with large and small private companies and government agencies in similar capacities.

Auburn Veterinary Medicine professor wins national award for contributions to field of theriogenology

The Society for Theriogenology recently presented its David E. Bartlett Award to Robert L. Carson of Auburn’s College of Veterinary Medicine for outstanding contributions to the field of theriogenology.

A food animal professor, Carson accepted the award during the 2010 Therio Annual Conference Sept. 1 in Seattle, Wash. A 1973 graduate of the College of Veterinary Medicine at Auburn, Carson became a diplomate of the American College of Theriogenologists in 1979 and is a nationally recognized researcher and educator in the field.

The David E. Bartlett Award is named for a veterinary leader who, in the 1970s, helped create the word “theriogenology,” which denotes the veterinary specialty that deals with animal reproduction, and founded the American College of Theriogenologists.
Construction restoring ‘old’ look to campus

At the start of the 21st century, Auburn University returned to the neoclassical style of architecture that was characteristic of the campus in the first half of the 20th century but was abandoned in favor of modernist and post-modern styles in the last half of the century.

The new, traditional look is rapidly changing the face of the campus, especially along the eastern edge, where Shelby Center, at right, top and center, has joined older Engineering buildings and the College of Business’ Lowder Building along Magnolia Avenue, and on the western edge, where the new Information Technology Building, below, center and bottom, joins such recent additions as the Medical Clinic, Forestry and Wildlife Sciences and Poultry Science. Adding a further link with the past is the historic Old Rotation agricultural research site, one of the few cotton fields remaining in Lee County. Even buildings in Auburn’s new research park, bottom right, are in the traditional style.
Campus News Briefs

Ketchen co-authors textbook in unique series for students in business colleges

Dave Ketchen, Lowder Eminent Scholar and professor of management in Auburn’s College of Business, is one of three co-authors whose latest textbook, “Atlas Black: Management Guru?” is attracting national attention.

The second in a four-part series about a college student and soon-to-be graduate, “Atlas Black: Management Guru?” is unlike traditional textbooks in that material is presented in a long-form, illustrated graphic novel. Recently released by Flat World Knowledge, “Atlas Black: Management Guru?” is being used by dozens of professors nationwide this fall.

Passport fair Sept. 22 in Student Center to aid, encourage international travel

Faculty, staff and students can apply for a new U.S. passport or renew an expired passport at a passport fair from 1-4 p.m. Wednesday, Sept. 22, in the Student Center’s third-floor ballroom.

Agents from the U.S. Department of State will be on hand to assist individuals applying for their passport. The fair is sponsored by the Division of Student Affairs and the Office of International Education-Auburn Abroad to aid and encourage international awareness through travel by faculty, staff and students.

Applicants will need to bring two passport photos along with application and payment. Information regarding documents and applications is available at www.auburn.edu/studyabroad under “Events.” For additional information, email: auab@auburn.edu.

Mohan presents, co-chairs sessions at World Congress of Sociology in Sweden

Raj Mohan, a professor of sociology in Auburn’s College of Liberal Arts, recently presented an invited paper and co-chaired three sessions in Goeteborg, Sweden, at the 17th World Congress of Sociology.

Mohan presented a paper on “The Sociology of Intellectuality and Creativity,” and he was co-chair of sessions on Sociology of Adult Education, Intellectuals on the Move in the Global Age, and Changing Forms of University-Society Relationship.

A faculty member at Auburn since 1973, Mohan has been editor of The International Journal of Contemporary Sociology since 1970 and is author or editor of several books, including “The Mythmakers: Intellectuals and the Intelligentsia” and “International Handbook of Contemporary Developments in Sociology.”

Choral director at Auburn to lead Verdi performances in Italy next summer

William Powell, director of choral activities in Auburn’s Department of Music, will lead performances of Giuseppe Verdi’s “Requiem” in select cities in Italy next summer, accompanied by student and professional musicians from Auburn and beyond. “The Requiem,” one of Verdi’s most monumental works for soloists, chorus and orchestra, will be performed in Florence, Verona and Milan.

The tour is hosted by Varna Music Festivals. Non-musicians of all ages may also travel as auditors. For information, contact Powell at 844-3166 or visit http://varnamusicacademy.com/festivals/2011_powell.php.

Index

1 New budget, pay, construction topics await Auburn Board of Trustees
1 NSF awards $4.6 million grant for lab upgrades in Biosystems Engineering
3 Widow of famed WWII veteran gives rare Audubon collection to Auburn
5 Authority on writing for 21st century to present first lecture in series
6 Research partnership leading to breakthroughs in technology
6 FAA awards grant for studies of unmanned aerial systems