

Inaugural Issue • Fall 2005

**Embry-Riddle
means business**

**Simulators:
Better than
the real thing?**

**Predicting
a bright future
for meteorologist
Lisa Mozer
('04, EC)**

LIFT

The alumni magazine of Embry-Riddle Aeronautical University

Blast Off!

Embry-Riddle's TeachSpace program is helping teachers inspire passion for the final frontier

TeachSpace Director
Dr. Michael Hickey
hopes to launch
students toward
careers in aerospace.



Celebrate the Wild West at the Prescott Campus



Join fellow alumni for special events and front-row seats at the Prescott Air Fair

presented by
EMBRY-RIDDLE AERONAUTICAL UNIVERSITY

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This FREE alumni online community was created exclusively for you! Join today and receive special offers during October-West Weekend. Visit www.ERAUalumni.org to become a member or to invite others to join the eaglesNEST today!



Thursday, October 13

10:00 AM	Industry/Career Expo	Activity Center
5:00 PM	Early Bird Alumni/Senior Reception	Hassayampa Inn
9:00 PM	Movie Night	Lower Hangar

Friday, October 14

ALL DAY	Employer Interviews	Career Services Office
8:00 AM	OctoberWest Golf Tournament	Talking Rock Golf Club
9:00 AM	Master Lecture Series	Academic Complex I
11:00 AM	Last Lecture: A Memorable Presentation by Faculty	Davis Learning Center
NOON	New Student Check-In	Admissions Visitor Center
2:00 PM	Men's Soccer Game	Soccer Field
4:00 PM	SGA Parade	Campus Route
5:00 PM	October Festival: "The Wild West"	Athletic Fields
7:00 PM	Women's Volleyball Game	Eagle Gym
8:00 PM	Alumni Reception	Hassayampa Inn
9:00 PM	Casino Night	Activity Center

Saturday, October 15

7:30 AM	New Student Open House	Activity Center
8:00 AM	ERAU Hospitality Tent at Prescott Air Fair	Prescott Airport
7:00 PM	Homecoming Entertainment—Details Coming Soon!	Location TBD



Need hotel accommodations or rental car information?

Visit the official OctoberWest Web site at www.erau.edu/pr/alumni/octoberwest.html.

This event schedule is subject to change. Visit www.erau.edu/pr/alumni/octoberwest.html for the current schedule and additional event details. Contact the Alumni Relations Office at 877-777-ERAU for additional information.

LIFT

The alumni magazine of
Embry-Riddle Aeronautical University



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A PASSION FOR EMBRY-RIDDLE

THE NAME EMBRY-RIDDLE is synonymous with excellence. But it didn't get that way without the vision and dedication of several generations of exceptional students and faculty. Our reputation is built upon this group of people. It is this same outstanding group of people who are carrying on Embry-Riddle's tradition of excellence.

That was part of our reasoning behind *Lift*. Named for that inspiring force of flight, *Lift* hopes to capture within its pages the exhilarating and can-do spirit of our students—past, present and future. *Lift* allows us to bring together an amazing range of people who share one special quality: a passion for Embry-Riddle.

As you will see in these pages, passion for Embry-Riddle takes many forms. For Lisa Mozer ('04), a recent Extended Campus graduate, it's a love of weather science that led her to her dream of flying solo by year's end. For David and Michele Waggoner ('86), classmates who became husband and wife, it's a dedication to promoting human integrity and good character. And for Rebecca Brown, a high school teacher who took part in Embry-Riddle's TeachSpace program, it's a desire to inspire students with the wonders—and science—of space exploration.

This same passion continues to drive Embry-Riddle to even greater heights—to be the premier

comprehensive university for aviation and aerospace education, worldwide, bar none. To stay at that leading edge, we are undertaking a major effort to take our College of Business to a new level. In management, as in aviation and engineering, we are committed to keeping Embry-Riddle students at the top of their game.

We are always looking toward the future. Embry-Riddle has a vested interest in fueling a global passion for aviation, aeronautical science and space exploration. Whether it's in the air, in space or in the boardrooms of leading industries worldwide, today's students will carry on the university's legacy of leadership into the next generation.

We hope you enjoy *Lift* and our stories about members of your Embry-Riddle family. As you read its pages, feel free to respond to anything that inspires you. You can e-mail us at liftmag@erau.edu, write to us or even give us a call. *Lift* is your magazine, and I urge you to be a part of it and the legacy of excellence and passion that it celebrates.

Sincerely,

George H. Ebbs, Ph.D.
President

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The Wright stuff

Honoring aviation history, Embry-Riddle names AMS department after Charles Taylor, Wright Flyer mechanic

On May 24, Embry-Riddle named its Department of Aviation Maintenance Science (AMS) after Charles Taylor, the man who built the engine for the Wright Brothers' famous first flight at Kitty Hawk, N.C.

"Charles Taylor is the man who put the 'power' in powered flight," says AMS Chairman Fred Mirgle. "In just six weeks, he designed and built a 13-horsepower engine weighing 150 pounds. And he did it using only hand tools, a lathe and a drill press."

At the dinner and dedication ceremony, Charles Taylor II, great-grandson and namesake of Charles Taylor, and Howard DuFour, co-author of the 1997 book *Charles E. Taylor, 1868-1956: The Wright Brothers' Mechanician*, spoke in Taylor's honor. The evening culminated in the grand unveiling of a bronze bust of Taylor, created by Dayton, Ohio, artist Virginia Hess.

Mirgle says the bust and other artifacts will be displayed in Embry-Riddle's AMS building. "Someday when we acquire a new building, we plan to use the Taylor display as the centerpiece in a circular lobby with a timeline of aviation maintenance history on the walls."



Charles Taylor II helps honor his great-grandfather at the AMS naming ceremony.

To accompany the Taylor display, Mirgle wants to create a plaque that lists all the winners of the FAA's Charles Taylor Master Mechanic Award. The award is presented annually to technicians who have 50 years of documented distinguished service in the aircraft maintenance industry. Embry-Riddle professor emeritus Chandler Titus won the award in 1995.

If you've won the Charles Taylor Master Mechanic Award, we'd like to know. Call Robert Rockett, dean of the Heritage Project, at (386) 226-6026.

ALTIMETER

More news and events at Embry-Riddle this quarter:

- Dr. Peter H. Ragan, an associate professor of Humanities and Communication, has been granted a Fulbright Scholar grant to Ilan County, Taiwan.

- Dr. Tim Brady, dean, College of Aviation, received the 2005 Excellence in Pilot Training Award from the National Air Transportation Association.



JetBlue hits the books

Embry-Riddle and JetBlue team up for training

Embry-Riddle's School of Corporate Training and Professional Development (SCTPD) has joined forces with JetBlue Airways to provide a full range of educational, research and professional development programs to employees of the rapidly growing airline.

"We are very pleased to partner with JetBlue," says Marty Smith, chancellor, Extended Campus. "We are jointly committed to providing the best possible aviation experience for the customer, as we revitalize aviation travel after 9/11 and into the future."

As part of the agreement, Embry-Riddle will offer a variety of degree and non-degree programs, conduct research and provide counseling to JetBlue crew members. JetBlue will provide internships and co-ops, host seminars and classes, provide tuition for crew members, and provide simulator orientations and site visits.



#1 in the nation

Embry-Riddle's Aerospace Engineering program's ranking by U.S. News & World Report.



\$15.3 million

Value of the 77 funded grants and contracts under which Embry-Riddle is performing leading-edge research.

First in flight

Flight team wins "Super Bowl" of flight competition

At the 2005 National Intercollegiate Flying Championship, held April 26–30 in Salina, Kan., Embry-Riddle Prescott's Golden Eagles Flight Team won first place and the Daytona Beach Eagles Flight Team finished in the top 10. "It's the aviation equivalent of winning the Super Bowl," says Sean Jeralds, chair of the Flight Training Department at Embry-Riddle's Prescott campus.

In convincing "Super Bowl" fashion, the Golden Eagles Flight Team won a dynasty-like fifth national title since 1993—earning 466 overall total points, with the next closest competitor earning only 348.



On the ball!

Eagles baseball a winner on and off the diamond

In its first huddle of the season, the Embry-Riddle baseball team set a goal to play on the last day of the 2005 season. That goal became reality when the Eagles made it to the championship game for the first time in program history. Winning conference, regional and super regional titles, the Eagles came up just short of their first-ever national title, falling 8-1 to Oklahoma City in the title game.

The Eagles also won the 2005 Hank Burbridge Champions of Character Team Award from the NAIA Baseball Coaches Association for displaying exemplary character and sportsmanship on the field, on their campuses and in their communities.

ALTIMETER

More news and events at Embry-Riddle this quarter:

- **Students in Computer and Software Engineering at Daytona Beach placed first in the American Society of Engineering Education—Southeastern Section design competition with a robot system that controls vehicle movements at an airport.**

- **Embry-Riddle Prescott students took first place in six events in an Arizona collegiate competition for future business leaders.**



A world of opportunities

New Extended Campus centers for working adults in Luxembourg, Europe and Vancouver, Canada

Embry-Riddle recently opened a new center in the Grand Duchy of Luxembourg for students pursuing a Master of Science in Technical Management.

Plans also are under way to establish a center on the British Columbia Institute of Technology's aerospace campus at Vancouver International Airport. The first to be established in Canada, this Extended Campus center will focus on courses in technical management and professional

aeronautics and will include a counseling and student services office for distance-learning students.

"We are excited about this opportunity for international expansion, and we look forward to working with BCIT students to increase their opportunities for aviation-related education and careers," says Dr. Karen Shehi, Embry-Riddle dean of Worldwide Center Operations.

To read the complete story online, visit erau.edu/ec/index.html.



96 percent

Within one year of graduation from the residential campuses, this percentage of graduates are employed or decide to continue their education.

ROUNDTABLE

Learning to fly has never been for the faint of heart—or of wallet. Over the course of their education, Embry-Riddle flight students can spend more than \$40,000 in flight fees alone. • Enter simulation. Simulator training offers a way to control costs, reduce training time (not to mention stress) and improve safety—but does it give students the “real airtime” they need to take flight? • We asked one of the first names in simulator manufacturing, Rudy Frasca, founder and president of Frasca International, and our aviation deans about the future of flight training simulation. Is simulation ...

...as good as the real thing?



Rudy Frasca
President,
Frasca
International

→ **With the addition** of powerful digital technology, we're able to design simulators that duplicate the craft exactly. The end result is that pilots can be trained in minimum time.

With these simulators, you can set it the way you want. You can focus on problem areas while keeping conditions safe. Students don't have to fly the whole pattern. For example, they can freeze pitch and learn turns. Or they can fly the last quarter-mile of an approach, make the landing, then set it back and do it again until they get landings down pat. You can put it all together and it works a lot faster. So, good simulation is better than the real thing for training.

The technology will continue to get better. Soon, we'll be able to more accurately simulate weather and even runway conditions. You'll end up with a much better pilot than you would if you used the aircraft alone—and you'll do it in about one-third the normal time.



Dr. Tim Brady
Dean, College
of Aviation,
Daytona Beach
Campus

→ **The simulators** at Embry-Riddle are exactly—not almost—but exactly like the airplane. There are very few places in the world that use this level of technology. We make the transition of the student pilot from the simulator to the airplane invisible.

Further, we're engaged in independent, self-funded research to determine the effectiveness of simulator training. In the fall, we'll compare the performance of two groups of students: One

group trained solely in an aircraft, and the other trained 60 percent of the time in a simulator and 40 percent in an aircraft.

Whatever the results, we do know one thing: Pilots learning to fly will want to fly the airplane. But with the cost of flight training being so high, we're going to see the amount of simulation that's involved in *ab initio* training rise and the amount of airplane training diminish considerably.



Dr. Jackie Luedtke
Dean, College
of Aviation,
Prescott
Campus

→ **There's nothing** quite like being in the actual plane. The feel of an FTD [flight training device] is very, very close, but unless you get in a full-motion simulator, there will be some difference. You don't have the sound of the motor running and all of that, which is part of the thrill of flying.

Still, simulation is an efficient way to train and a good trade-off for students because it saves them money and

allows them to get more quality experience out of their training time. I think we have a long way to go before we fully tap the potential of simulator training.

The key is balance. We have to balance the needs of students and instructors with the demands of training. By using simulator and real training in proper proportions, we'll have the best of both worlds and serve our students well.

What's your take on simulator training?

We'd love to hear your opinion.
Send your letters to:

Editor, *Lift*, 600 S. Clyde Morris Blvd., Spruance Hall, Rm. 210E, ERAU, Daytona Beach, FL 32114

Or e-mail us at
Liftmag@erau.edu

From rivalry to romance

For Daytona Beach classmates **David** and **Michele Waggoner ('86, DB)**, a healthy rivalry turned into a lifelong partnership

They knew each other's student ID numbers before they knew each other's names. As students at Embry-Riddle, they were classroom rivals who graduated first in their respective degree programs. Now, they're happily married and on the same path to success.

"I'd call it a very healthy rivalry," says David Waggoner ('86), describing how he and his wife, Michele (Kaiser) Waggoner ('86), contended for best in class. "Michele was an exceptional student and we competed against each other all the way through school."

"We finally met in Mr. Campbell's business class," says Michele, an aviation management major at the Daytona Beach Campus. Determined to keep her rival close, Michele asked David, an aviation business administration major, to join her study group.

It wasn't long before that semester-long study group developed into something that would set the stage for a lifelong marriage. Soon, Michele and David began spending time together outside the classroom. "We worked very hard in school, so we enjoyed our down time outside of school," David says. "It was great—whatever we were doing."

Michele's dorm-room balcony, now part of McKay Hall, became the setting for many fond memories. "We sat out there by the flight line and just enjoyed being right there on the airport where all the activity was," David recalls. "And during airshows, we enjoyed our 'front-row seats.'"

"It was really neat to watch the airshows," Michele says. "Pilots would put on a special show for 'Riddle students as they left. That was always a thrill."

THE MARRIAGE TAKES OFF

After graduating from Embry-Riddle, Michele began working on the advanced tactical fighter program for Lockheed Martin in Burbank, Calif., while David worked for McDonnell Douglas in Long Beach, Calif. By 1988, David and Michele were married and had started a family. Michele relocated to McDonnell Douglas, until 1991 when she resigned to become a full-time mother. The family moved to Indianapolis in 1994.

David began working for Allison Engine Company, which was acquired by Rolls-Royce in 1995. Today,





he fulfills two major roles at Rolls-Royce: president of Rolls-Royce Defense Services Inc., which oversees execution of key Defense services contracts, and vice president of Customer Business within Rolls-Royce Corporation, Indianapolis.

David, who understands firsthand the value of Embry-Riddle graduates to industry, has maintained strong connections with his alma mater. In addition to establishing the Rolls-Royce Customer Business Scholarship, which will make its first award in 2008, David recently partnered with Embry-Riddle to set up the Rolls-Royce Propulsion Lab on Embry-Riddle's Daytona Beach Campus.

"Embry-Riddle is now one of our targeted schools to find key talent for the business," David says. "We build gas turbine engines, and our intention with the propulsion lab is to establish a clear link between Embry-Riddle and industry to ensure propulsion training is continually refined to reflect industry trends."

David Waggoner ('86, DB)

- Graduated first in his class in aviation business administration.
- First job out of Embry-Riddle was at McDonnell Douglas.
- Helped establish the Rolls-Royce Customer Business Scholarship.

TWO DIFFERENT CAREER PATHS

While David spends his days with key customers at Rolls-Royce and on the military flight line, Michele tends to their three sons, Jon, Josh and James. "Our number-one priority is to raise our three boys into men of faith, integrity and honesty," Michele says.

"I've always said that my bride is worth more than me in the industry, but she's taken a new career path in raising our three sons. That is more valuable to us than anything else right now," David says.

But Michele hasn't left the aviation industry behind completely. Still very active in community relations for Rolls-Royce, Michele supports "Riley Children's Day," an event held by the Riley Hospital for

Michele (Kaiser) Waggoner ('86, DB)

- Graduated first in her class in aviation management.
- Learned of ERAU from her father, who worked with the Apollo space program.
- Helps host Riley Children's Hospital Day for Rolls-Royce.

Children and Rolls-Royce Corporation for families of children going through cancer treatments. She also hosts key customers for Rolls-Royce at the annual Reno Air Races.

"How we [Rolls-Royce] interact with the community is crucial and Michele is a very important part of that," David says. "For a lot of the hosting we do, she is just as involved as I am."

It's been just that kind of dedicated involvement to the people and things that David and Michele value most—family, Embry-Riddle, Rolls-Royce and, of course, each other—that reveals their idea of what it means to succeed in life.

"Being a person of faith, good character and high standards is a key for success," Michele says.

David agrees. "I'd like to see the legacy of Embry-Riddle be that we produce men and women of integrity, honesty and good character. You can have no better grade card than that." —ASHLEE (FISER) ILG ('03, DB)



Inspiring Tomorrow's Aerospace Heroes

Embry-Riddle's **TeachSpace** program
launches teachers into the new Space Age

by **Rebecca Douglas**
photography by Preston Mack

SOMEWHERE IN AMERICA there's a middle-schooler destined for greatness: a kid who will walk on Mars and fulfill one of the final phases of President Bush's Space Exploration Initiative. Right now, however, he's probably preoccupied with NASCAR standings, or she's busy reliving her summer adventures at Science Camp.

Someone will inspire our future national hero to greatness. Someone will instill a passion that's literally strong enough to carry a now-gawky preteen into space (not to mention into the hearts of a grateful nation).

Helping teachers spark such passion is one of the many reasons Embry-Riddle Aeronautical University offers TeachSpace workshops.

"The very destiny of humanity is in the stars," explains Dr. Rodney "Buz" Piercey, dean of the College of Arts and Sciences at Embry-Riddle, Daytona Beach Campus. "As a preeminent aviation and aerospace university, we have a responsibility to contribute to the public welfare on a global level. TeachSpace not only enhances young people's academic understanding and appreciation of space exploration, it also shows them the sky is not the limit; it's just the beginning."

Embry-Riddle deans Dr. Michael Hickey (left) and Dr. Rodney "Buz" Piercy are inspiring a future generation of space enthusiasts with the TeachSpace program.



Rebecca Brown, a teacher from Stuart, Fla., used simple hands-on projects to help students click with complicated math concepts.



Campus, highlights practical applications of satellites and remote sensing.

“We bring it down to a very real level and show how the technology relates to issues the students are interested in: monitoring deforestation, crop health and even national security issues,” he explains.

TeachSpace’s hands-on approach has won rave reviews from participants. So far, 95 percent rate their experience as “excellent” and the remaining 5 percent rank it “good.” After attending, fully 97 percent say they are “greatly” or “very greatly” inclined to integrate space science topics into their curricula.

Not surprisingly, competition for seats at TeachSpace workshops can be stiff. Last year, more than 140 teachers were nominated to participate; 20 were accepted into each of the first two sessions.

“When I was a kid, everyone was interested in space.”

STRETCHING THE CURRICULUM (AND BUDGET)

Dr. Piercey teamed with Dr. Wiley Larson of Teaching Science and Technology Inc., a company that provides training for space systems engineering, to develop TeachSpace and obtain a NASA grant to launch the ambitious five-year, \$11 million project.

To make the most of the budget, the program targets teachers who are able to reach multiple classes of students and fellow educators. In five years, TeachSpace expects to train 10,000 teachers, who will, in turn, teach 1 million students.

“We didn’t want to just host another kids’ program,” Dr. Piercey recalls. “Our goals are purposely far-reaching and audacious.”

After launching the program last year, Dr. Piercey assigned day-to-day management of TeachSpace to Dr. Michael Hickey, associate dean of the College of Arts and Sciences on the Daytona Beach Campus.

“On a practical level, we need to help train the next generation,” Dr. Hickey explains. “When the aging workforce at NASA and aerospace corporations retires, we need qualified professionals ready to step in.

“We’re also inspiring students who will never work in the aerospace industry but will play a vital role in sustaining our space program,” he says. “As taxpayers, they’ll provide funding and elect the

politicians who will either support or de-prioritize space exploration programs.”

SPACE CAMP FOR TEACHERS

TeachSpace provides training workshops, hands-on exercises and support materials to math, science and technology teachers. Currently, only high school teachers are eligible, but middle- and grade-school instructors may eventually be included.

“For many students, math and science have become lackluster,” Dr. Hickey explains. “TeachSpace uses the excitement of human space exploration to catch and hold their attention.”

Teachers selected to participate spend three days learning hands-on activities they can use to inspire their students. Favorites include launching rockets and using GPS receivers in “geocaching” contests, a kind of high-tech scavenger hunt.

Workshops also include outings unique to their locale. Participants in Daytona Beach enjoy a behind-the-scenes tour of Cape Canaveral. Teachers from Arizona man the controls of flight simulators at Embry-Riddle’s Prescott Campus. Participants at Embry-Riddle’s Extended Campus center in Seattle take a VIP tour of the Museum of Flight.

Dr. Phillip Anz-Meador, associate professor of Physics at Embry-Riddle’s Prescott



TeachSpace uses the excitement of human space exploration—as well as fun experiments—to inspire a passion for learning in a new generation of students.

“We’d like to serve all of the talented, highly motivated teachers nominated,” Dr. Piercey says.

Initial plans include workshops in 37 states, but as Embry-Riddle’s Extended Campus centers expand to additional locations, workshops could potentially reach teachers in all 50.

TEACHABLE MOMENTS

“You just can’t expect kids to sit with their noses in a textbook,” says math teacher Rebecca Brown of Southfork High School in Stuart, Fla.

Thanks to activities Brown learned at TeachSpace, her students don’t have to. After studying geostationary orbits, Brown’s class uses simple items such as balls, flashlights and swiveling chairs to see and feel why the earth’s rotation and a satellite’s orbit must take equal amounts of time.



Launching and tracking a rocket is a highlight of the curriculum for many students.

FINDING A BETTER WAY

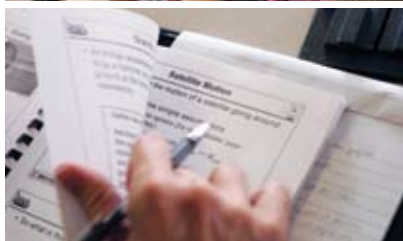
Bill Yucuis from Lyman High School in Seminole County, Fla., incorporates TeachSpace materials into the aerospace courses he teaches at the school’s Engineering Institute.

“It’s one of the best teaching seminars I’ve ever been to, and I’ve been to a lot,” notes the district math and technology teacher of the year.

The satellite tracking software and design for a PVC rocket launcher Yucuis received at TeachSpace fit particularly well into his rocket units.

“The students work in launch teams, which I think is very important,” he notes. “Each has specific job duties, such as timing or measuring, and they combine their information to determine how high and fast their rockets fly. They use three different methods—shadow, isosceles triangle and trigonometry—then compare

I hope TeachSpace rekindles that enthusiasm.”



Brown extends the lesson to something near and dear to students: television. Students use the school’s computer lab to determine the azimuth and elevation of a DirecTV satellite while on an imaginary R.V. trip from Tucson to Anchorage. Brown supplies the earth’s orbital period and a formula for how long it takes the satellite to orbit; students then use the formula to determine the distance from earth to the geostationary orbit. Using other provided formulas, students convert actual measures to scale measures to ascertain what would happen to the satellite feed en route from Tucson to Anchorage.

They also compute the area of Earth (in degrees) visible from a shuttle six miles above earth’s surface.

When Brown described the projects, her students were convinced they couldn’t do it. “Their jaws literally dropped,” she recalls. “But once they were out of their seats and using the props, it all started clicking.”

The project brought a potentially bland topic to life, and prompted students to gather additional information about a new shuttle prototype.

“The orbit project was the highlight of the semester,” Brown recalls. “Students don’t truly understand math concepts until they apply them.”

the results. It’s a great way to show that answers aren’t always absolute.”

Beyond the TeachSpace textbooks and other materials, Yucuis also culled ideas from fellow participants.

“It was rejuvenating to be around bright, creative teachers who are excited about their work,” he raves. “We brainstormed ways to present different topics to students, and I gathered about 15 new activities.”

For Dr. Richard Bloom, dean of the College of Arts and Sciences at Embry-Riddle’s Prescott Campus, the workshops also serve a philosophical purpose.

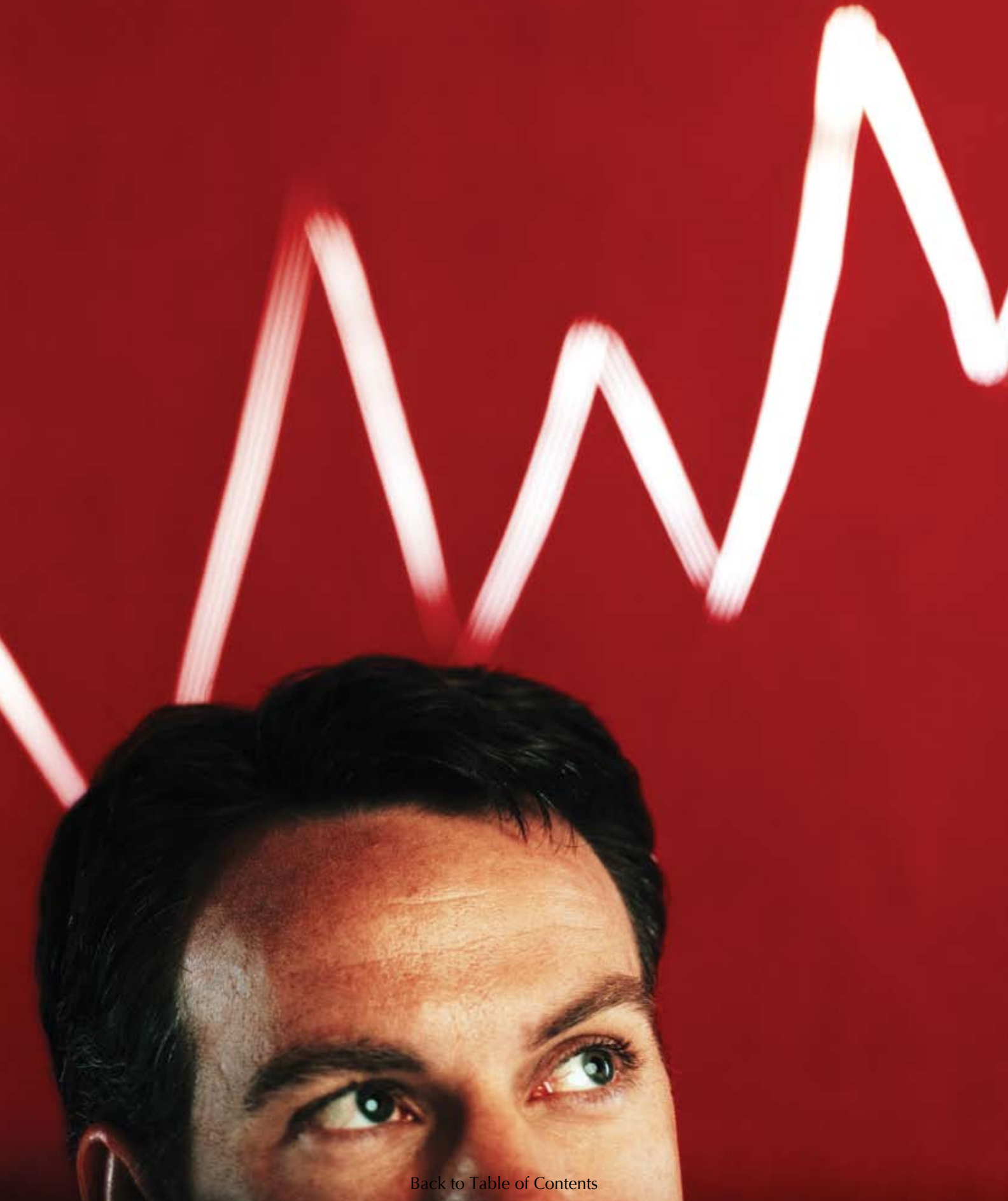
“When I was a kid, everyone was interested in space,” Dr. Bloom recalls. “We’d be out playing stickball and stop to talk about Sputnik and space flight. I hope TeachSpace rekindles that enthusiasm.”

According to the evaluations teachers fill out after the workshops, it’s already happening.

“My excitement and passion for space exploration have been contagious with my students,” notes Carolyn Guzman, math teacher at Winter Springs High School in Winter Springs, Fla. “It’s great seeing the younger generation once again interested in and searching for knowledge about the wonders of the universe.”

For more information about TeachSpace, visit www.erau.edu/teachspace/.

For Embry-Riddle, leveraging its existing strengths to become the best business school for aviation and aerospace is an idea that makes sense.



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**Embry-Riddle
Aeronautical
University
embarks on a
10-year plan
to become the
No. 1 choice in
the business
of aviation and
aerospace**

For Embry-Riddle Chancellor Irwin Price,

the decision to focus on the business side of aviation/aerospace came down to a matter of simple math. “For every pilot or engineer hired, there are 10 business people,” he says. “We want to produce the best graduates and to be the first place that government and industry turn to for answers. That means having the strongest business learning and research platform we can create.”

A world-leading aviation/aerospace business college doesn’t happen overnight, and it certainly wouldn’t occur in a vacuum. So in summer 2004 the school formed a Blue Ribbon Committee of industry leaders—including four Embry-Riddle alumni—and began meeting regularly this winter.

“The Blue Ribbon Committee was a formal way of creating a dialogue between the college administration, the faculty and outside experts,” says Dan Petree, dean of the College of Business. “It’s our chance to present a broad vision for the future and identify targets of opportunity, and we were able to assess things that seemed too ambitious at the current time.”

During the subsequent months, the committee and school officials firmed up a vision for the future and defined the building blocks of becoming No. 1: World-class faculty and research centers and best-in-class physical facilities. As a result, Blue Ribbon Committee member Joseph Alutto, dean of the Fisher College of Business at The Ohio State University, believed that Embry-Riddle would be best served building off its unique positioning. “Becoming the best business school for aviation and aerospace makes sense, and it allows the university to leverage its existing competitive advantages,” he says.

The best answers on how to do that would come from the industries that would be the end users of Embry-Riddle graduates’ talents and research, so one of the key initiatives requested by the Blue Ribbon panel was to do some market

Embry-Riddle Thinks BUSINESS First

by Jake Poinier

research about industry hiring practices. About 100 aerospace senior managers were contacted anonymously to ask the basic, but essential, question: “What are you looking for?”

“What we discovered is that, once they hired someone, the lead time was one year to understand the business,” Price says. “So it is a key advantage to provide skilled graduates who assimilate faster. A second finding is that ethics and leadership were of paramount importance, so those will be vital aspects of both our undergraduate and graduate programs. The multicultural, multinational environment will be embedded in the student experience, and we want them to be the premier leaders in the field, not just able to do the job.”

The university also consulted the alumni, a step that underscored the importance of developing a broad-based business education. Although one-third of the graduates work in aviation/aerospace and another third work in related fields, the remainder are employed outside the industry. To Price, this argues for the model of a strong business degree with a variety of concentrations and an emphasis on managing technology. “Offering a bachelor’s in business and an MBA will serve our industry, with the added benefit that it makes more sense for our graduates regardless of where they go,” he says.

The final piece of the puzzle, Petree says, was the creation of a faculty working group. “It’s a parallel process,” he says. “Their task was to identify what the opportunities and barriers are from the stakeholders’ position. It’s not so much about the vision for the College of Business, but what it meant to students and faculty.”

Embry-Riddle President George H. Ebbs, Jr. Ph.D., has been gratified by the collective enthusiasm for the tasks. “The Blue Ribbon Committee members challenged us, and have been so generous with their time. And as important, they want to be instrumental in finding the resources and funding to accomplish the tasks of becoming the industry leader,” he says. “The faculty have risen to the occasion, helping with both internal and external issues, and are leading the effort to recruit new faculty who complement the vision. Everyone associated with this effort—the Committee, faculty, staff and students—are very supportive.”

RESEARCH RENAISSANCE

An emphasis on research is expected to play a key role in Embry-Riddle’s visibility in the aviation/aerospace business world. Price describes the various programs as still being in their “seed” stages, but there’s no question that the research centers represent enormous potential for industry influence.



An emphasis on thought leadership and research will raise Embry-Riddle’s visibility in the aviation/aerospace business world.

Moreover, Petree says, research offers credibility. “One of the issues presented to the Blue Ribbon Committee was ‘How can we be the thought leader without a Ph.D. program?’ The answer, a surprising one, was that we don’t need a doctoral program as long as we were committed to research.”

That commitment to research begins with the following centers where Embry-Riddle enjoys a competitive advantage:

■ *The Teaching Airport.* Theory, practice and the public good intersect at the Daytona Beach International Airport, Embry-Riddle’s proving ground for the next generation of professionals who will implement the operational technologies, practices and policies of airport, aviation and aerospace systems. “Similar to a teaching hospital concept, the Teaching Airport provides the ability for faculty, research staff and students at Embry-Riddle to enhance the industry knowledge of airport management through field research in an active airport environment,” says Dr. Seth Young, Teaching Airport program director. “It offers a unique opportunity for major industry to field-test technologies that have the potential of greatly improving the efficiency, security and safety of airport operations.”



View from the Hill In an effort to educate the federal government—and, of course, to help Congressional staffers understand the value offered by Embry-Riddle—the university is conducting monthly seminars on Capitol Hill in Washington, D.C. In May, for example, several Embry-Riddle faculty made presentations on airline economics and why legacy carriers are hurting while newer carriers are doing better. Chancellor Irwin Price describes the outreach campaign as topical, but not political. “We’re not there to sell anything, not pushing any agenda,” he says, noting that the upcoming schedule includes topics that address national air space and general aviation security.

The Teaching Airport program has been active for nearly two years, and last year alone generated more than \$50,000 in funded research projects, ranging from air service development research for the Daytona Beach International Airport to the development of Airport Ground Safety and Security curricula for USAIG, the largest aviation industry insurance company in the world.

■ *Aviation Operations and Simulation Laboratory (AOSL)*. The AOSL offers a formal location for the development and evaluation of aviation/airline operational strategies and processes. It will be used as both a research and teaching venue across a number of disciplines that may include business, air traffic management, human factors, software engineering and beyond. “The AOSL enables us to establish best practices; test new procedures, processes and applications; and allow multiple group integration in problem-solving,” says associate professor Massoud Bazargan-Lari, Ph.D. “For example, we can test new concepts of flow control, or we could serve as an independent third party to provide a consensus on new applications or processes.” The limited, initial start-up will occur this fall, and full operations are scheduled for fall 2006.

■ *Air Transport Research*. “To collaborate with industry, we need to have centers that are a focal point,” says Bijan Vasigh, Ph.D., a professor at the College of Business whose credentials include being a member of the international faculty at the International Air Transport Association Learning Center and a member of the Air Transport Research Society Global Airport Benchmarking Task Force. “In Europe, Cranfield University is an example of an institution that does a superior job—and they are known throughout Europe and Asia because of that. For Embry-Riddle, we need to develop and become an academic anchor through the same kind of blend of consulting, research and training.”

VIEW TO THE FUTURE

Blue Ribbon Committee member Scott Wargo ('89, '02, EC), who earned both his bachelor's degree and MBA from Embry-Riddle, believes the timing is right for the university's renewed focus. “No other industry is as susceptible to one-off incidences such as SARS or 9/11, and we have gone through an enormous amount of changes during the past 10 to 15 years, from pricing economics to deregulation,” says Wargo, who recently joined a team building Eclipse 500 business jets with Hampson Aerospace. “We need to train business professionals who can weather the storms. When you start networking and understand how close-knit aerospace is, you realize that this is bigger than any of us as individuals.”

For Petree, the first early sign of success will be the degree to which friends and stakeholders support the new vision—which would be reflected first and foremost by a positive influence on enrollments. “Over time, we anticipate a higher number of students and higher quality of students, and similarly, we'll expect to have an easier time recruiting top faculty as they understand the seriousness of our commitment,” he says. “A third indicator of success will be the infusion of capital from outside the institution. Will those who share this vision help us accomplish it? If we create exciting agendas, we'll have access to the finest minds in the world.”

By the book

In addition to their classroom insights, Embry-Riddle faculty have written, edited and contributed to many of the most influential textbooks in the aviation business. Here's a sampling:



Evolution of International Aviation *Dawna Rhoades, Ph.D.*

In addition to laying out the forces that shaped the international aviation industry and changed all the rules in the drive for liberalization, this book looks at the interesting and challenging choices in our multiple possible futures. “Dr. Rhoades writes in a radiant style that makes the book a pleasure to read for everyone interested in the aviation industry: airline executives and students alike,” says professor Sveinn Vidar Gudmundsson, director CERMAS-European Centre for Aerospace and Air Transport Research, Toulouse Business School. Dr. Rhoades is a professor of management; she has served as the undergraduate program coordinator for the College of Business and is the new chair of the Department of Management, Marketing, Strategy and Operations.



Airline Operations and Scheduling *Massoud Bazargan-Lari, Ph.D.*

Published in October 2004, Dr. Bazargan-Lari's book discusses the key issues confronting airline operations and scheduling, presenting a variety of solution-oriented optimization models and case studies. Dr. Bazargan-Lari, an associate professor of Production/Operations Management and Operations Research, has played an integral role in creating the university's Aviation Operations and Simulation Laboratory (AOSL).



Airport Planning & Management *Seth Young, Ph.D., C.M., and Alexander T. Wells*

This book has been the industry's leading airport-management text since publication of its first edition in 1986 by Alex Wells, recently retired professor at Embry-Riddle. The fifth and latest edition addresses the issues facing airports in the early part of the 21st century, including aviation security, funding and financial management, and the latest technologies to enhance airport operations. Dr. Young, an associate professor at the Embry-Riddle College of Business and president of the International Aviation Management Group Inc., a consulting practice serving the airport industry on solving planning and operations challenges, is a recognized expert in the field of airport and aviation system planning, operations and management.



Introduction to Aviation Insurance and Risk Management and General Aviation Marketing and Management *Bruce D. Chadbourne, Ed.D., and Alexander T. Wells*

The insurance and risk textbook, the third edition of which is scheduled to be published in January 2006, is an essential training tool for numerous aviation universities; it also is used as one of the four courses to obtain the Certified Aviation Insurance Professional designation. The marketing text is considered essential reading for fixed-base operators. Chadbourne has been a faculty member at Embry-Riddle since 1973.



A force of nature

Whether she's teaching weather basics to kids or motivating adults, for **Lisa Mozer ('04, EC)** the sky's the limit

“Tornado-safe area” reads the small placard just inside Fernbank Science Center’s meteorology lab. That sounds about right for Lisa Mozer, herself a whirling, high-energy force of nature.

For almost two years, Mozer has been Fernbank’s staff meteorologist, which can involve anything from teaching kindergartners weather basics to providing curriculum assistance to high school teachers.

“It’s a nice blend of research and education,” Mozer says. “We do some research that serves

the scientific community, but our primary responsibility is as an education center.”

Much of her professional life has been spent before the camera as an on-air meteorologist. Mozer, an Embry-Riddle graduate who once worked for Atlanta-based The Weather Channel, flies a bit more under the radar these days. But wherever she goes, her enthusiasm for weather science and its everyday application drives her.

“It doesn’t matter if you’re a baker or a candlestick maker or you’re flying a Cessna,” Mozer says. “Weather impacts everybody. If

In her role as staff meteorologist at the Fernbank Science Center, Lisa Mozer ('04, EC), works to make weather concepts accessible for everyone.



managed to combine her interests with her livelihood.

A 20-year career as a reservist in the U.S. Marine Corps and Air Force took her to stops in every part of the country. It also provided much of her meteorological training. Mozer joined the Marine Corps reserves while a sophomore studying communications at Rowan University in New Jersey. As a single parent trying to raise two young sons and get an education, she saw it as a chance for a better life. Her typical *modus operandi* was to find a civilian job at a local television station in the area where she was stationed.

In 1996, she landed a job at The Weather Channel in metro Atlanta, where she'd always hoped to end up. "I never had an overall plan, but I always followed my passion, whatever I was interested in," she says, "and that worked for me."

Like many businesses, The Weather Channel hit a turbulent patch following the 9/11 attacks in New York City, and cutbacks were made. Mozer was left without a job, but she emerged with her confidence intact.

"I think it was a tough time after 9/11," she observes. "A lot of readjustment occurred in corporate America, and some of us were left to swim. Here I am, floating and doing the backstroke."

TAKING TO THE SKY

Following her passion prompted her to pursue an Embry-Riddle master's degree in Aviation Safety Systems.

Her years forecasting in the Air Force Reserves led naturally to an interest in aviation, which in turn helped steer her toward Embry-Riddle. While still working at The Weather Channel, she juggled her time for two years, taking Extended Campus classes at Dobbins Air Force

Base north of Atlanta and Hartsfield-Jackson International Airport.

"She demonstrated exceptional tenacity in staying with the graduate program and finishing her degree," says Thomas Sieland, dean of Academics, Extended Campus.

"Having finished my master's at Embry-Riddle certainly made me look good when I applied for this [Fernbank] position," she says.

It's also been useful outside her professional life. Mozer has completed Ground School training at the Atlanta Navy Flying Club en route to earning her pilot's license. She hopes to fly solo by the end of the year.

She also is a motivational speaker and author of a self-published children's book, *The Sun in the Sky*, which she uses to introduce pupils



Mozer's book was designed to make science and weather more fun for kids.

to weather. Two more books, *Which Way Is North?* and *A Flood Is Coming*, are in the works. Her main character is a lively young girl named, fittingly, Little Lisa.

"The young kids were kind of interested in weather, but not for more than a few minutes," she says. "So the stories are geared toward early-elementary children to keep them interested and curious but also give them a little bit of science."

Life hasn't always been sunny and clear for Mozer, but her between-the-lines message when she gives motivational speeches is that every storm front moves on.

"I think if there's anybody out there who might have been a single parent or had a slim chance of getting through school and didn't know what they were going to do, it's important to give them a little bit of hope," she says. "I try to do that. I think that was what God put me here for...to make sure that people know that, hey, yeah, it's tough, it's not easy, but it's possible." —BOB GILES

After 9/11, "some of us were left to swim. Here I am, floating and doing the backstroke."

you're in Denver and you're using a recipe that your mom sent you from North Carolina, you've really got to be careful about the temperature in the oven. I mean, you have to know these things."

FOLLOWING A PATH OF PASSION

Mozer's career path to Fernbank, located in suburban DeKalb County, Ga., east of Atlanta, has been something like that of a leaf caught in the wind. Through it all, she has always

Beyond textbooks

Direct Effect program aims for immediate impact

An Embry-Riddle education has always been about going “beyond textbooks.” Now, there’s a new giving program to help.

It’s called Direct Effect, and it’s designed to give students hands-on access to the technology and equipment they need to succeed in some of the most unique and challenging programs of study available today.



“Embry-Riddle’s rigorous academic programs often require the most advanced technology and equipment,” says James Hill, vice

president of University Development. “With Direct Effect, supporters can target immediate needs within college departments and take students beyond the traditional classroom experience.”

For example, supporters could pay for actigraph watches that allow students to study the effects of fatigue on airline pilots, or for locator systems that help students understand the challenges of designing robots that can work together in a room without human intervention.

To find out how you can support the Direct Effect program and see a current list of student needs, go to givingto.erau.edu/directeffect/.

Ergometers and heart rate monitors (pictured) are on the list of needs at the Direct Effect Web site.



WISH LIST

Among the purchases you can support with the Direct Effect program:

- **Actigraph watches for use in studying the effects of fatigue on airline pilots. Need is \$1,375 minimum per watch.**
- **Wet-bulb thermometer for testing heat and humidity conditions on pilot performance. Need is \$1,300 minimum.**



Building common ground

An uncommon man’s dream enriches common space—and student lives—on Embry-Riddle’s Prescott Campus

Bill Haas held a special place in his heart for Embry-Riddle students—and he had an uncanny way of finding them nearly everywhere he went.

Once, when on a vacation cruise, Bill happened upon a group of senior students from Embry-Riddle. Unlike most people, Bill took some time from his vacation to get to know them. In fact, he got to know them so well that when those same students graduated from Embry-Riddle’s Prescott Campus the following spring, he was there to see it.

“Bill was always focused on others,” says Dan Carrell, chancellor of the Prescott Campus. “His dedication to providing students with positive, life-affirming experiences is evident all over our campus.”

Bill was a friend of Embry-Riddle for more than 60 years, maintaining

personal relationships with John Paul Riddle, one of Embry-Riddle’s original founders, and Jack Hunt, Embry-Riddle’s first president.

In 1980, Bill’s son, Mark, attended Embry-Riddle’s Prescott Campus.

Then, a few years later, a tragic event forever transformed Bill’s life and his relationship with Embry-Riddle: His son, Mark, was killed in an automobile accident. Shortly after, Bill made his first contribution to Embry-Riddle by funding an upgrade to the

Prescott Campus entrance in Mark’s memory. Then he established a memorial scholarship in Mark’s name.

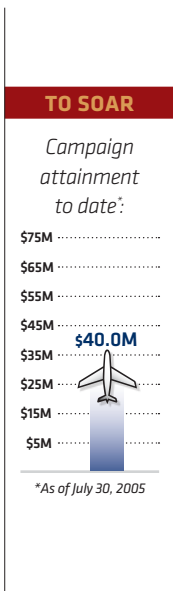
Bill also contributed to the Prescott Campus conference center and game room renovation, now known as the Haas Commons, so students would have a better place to congregate and enjoy personal time.



Generous contributions from Bill Haas have funded several special projects.

And when the university began planning to build an interfaith chapel on the Prescott Campus, Bill quickly offered his support. After making an immediate and significant gift, Bill created a plan to make it happen.

First, he made a long-term pledge, supported by special provisions in his will that guaranteed his pledge would be paid if he did not survive to see it through. Next, he made a bequest that ensured that there would be additional funds to complete construction, if needed. Finally, he established an endowment to cover future maintenance and improvement costs so the chapel could continue to grow with student and campus needs.



Thanks to Bill's foresight and planning, the Fred and Fay Haas Memorial Interfaith Chapel, named in memory of his parents, will soon become a reality. Sadly, however, Bill will not be with us to celebrate it. On Nov. 17, 2004, just a few months after execution of his will, Bill Haas unexpectedly passed away.

"We cannot express how sorry we are that Bill will not be there with us at the groundbreaking," says Dr. George Ebbs, president of Embry-Riddle. "This chapel would not have been possible without him. His generous spirit and affirmative influence will be felt among Embry-Riddle students for generations to come." —JAMIE BELONGIA



Your signature can save them \$4,000

When you recommend bright, talented, motivated high school seniors who would do well at Embry-Riddle, you can save them \$1,000 a year for four years.

The students you refer to Embry-Riddle can automatically receive a **\$1,000 Alumni Endorsement Grant**, renewable annually for up to four years, toward their tuition for full-time undergraduate study at the university's Prescott, Ariz., campus or Daytona Beach, Fla., campus.

All you have to do is sign our Alumni Endorsement Grant form and submit it to us no later than **January 15, 2006** (for students seeking Fall 2006 admission).

The form is available in the Embry-Riddle Application for Freshman Admission. Or you can get the form by:

PHONE: 888-409-3728

E-MAIL: univadm@erau.edu

WEB: www.erau.edu/endorse

Thanks for helping.

A successful *To Soar* campaign ensures Embry-Riddle's future as a world leader in aviation and aerospace education. With the support of alumni and friends and everyone who believes in our mission, we'll continue to invest in students who'll become our next generation of leaders.

Embry-Riddle has recently made supporting its mission that much easier

Giving to Embry-Riddle goes online

by adding an online giving form to its new Web site at givingto.erau.edu. Alumni and friends looking for a fast, easy way to make their gift now can use the specially designed form to keep their transactions private, safe and secure.

"Embry-Riddle supporters should be able to make their gifts at any time, in any place and in any way they choose," says James Hill, vice president of University Development. "Online giving offers yet another way for people to show their support for Embry-Riddle."



The site also offers ways to make gifts in more traditional ways by allowing users to download pledge forms and mail them in. But Hill is convinced a significant number will opt for online.

"Once they see how convenient it is, many friends and supporters will make the switch," he says.

To check out the new Web site and find out more about how the To Soar campaign is shaping the future of aviation and aerospace, go to givingto.erau.edu.

Extreme Makeover: Embry-Riddle Edition

Put together one great university, dedicated campus leadership, and a mission to remain the leading provider of aviation and aerospace education, and what do you get? The answer is *Extreme Makeover: Embry-Riddle Edition*. We asked our campus chancellors to talk about exciting things in the year ahead and a common theme emerged: No matter where you look, changes abound—from the academic to the athletic to the just plain cosmetic, Embry-Riddle is turning heads and winning students with its stunning transformation.



Dan Carrell
CHANCELLOR,
PRESCOTT CAMPUS

We're in the process of transforming the Prescott Campus. Visitors will notice dramatic changes taking place everywhere. We recently razed six of the old slump-block buildings to clear the way for construction of a new High Bay-Engineering Lab building and a Visitors Center. We're also building a new university entrance. Both projects will be complete in the coming year. We just installed an Airbus A-320 flight simulator and will soon finish construction on a new lighted softball field, an all-weather track and athletic locker rooms. The new Women's and Diversity Center

rounds out a dynamic slate of activity on campus.

Students, faculty, alumni, staff and visitors all are feeling the positive effects of these changes—and the excitement is contagious.



Irwin Price
CHANCELLOR,
DAYTONA BEACH CAMPUS

Students have much to look forward to in the coming year. We're working hard to enhance all areas where students come together—inside and outside the classroom.

We've set the stage for dramatic improvements in student life—working with students to create a real Student

Union and planning for new residence halls. At the heart of campus, we're creating new academic space near the Willie Miller Instructional Center and opening a wellness center. The new loggia and fountain projects—and the new gathering areas near the West Mall—are moving forward. For athletics, we're building a new track and field facility, a baseball stadium and a soccer field.

We're also developing ways to make "student business" less frustrating. The Integrated Student Services Center will provide students a "one-stop center" for all their administrative needs. In addition, the Student Academic Support Center will help students excel in their studies.



Marty Smith
CHANCELLOR,
EXTENDED CAMPUS

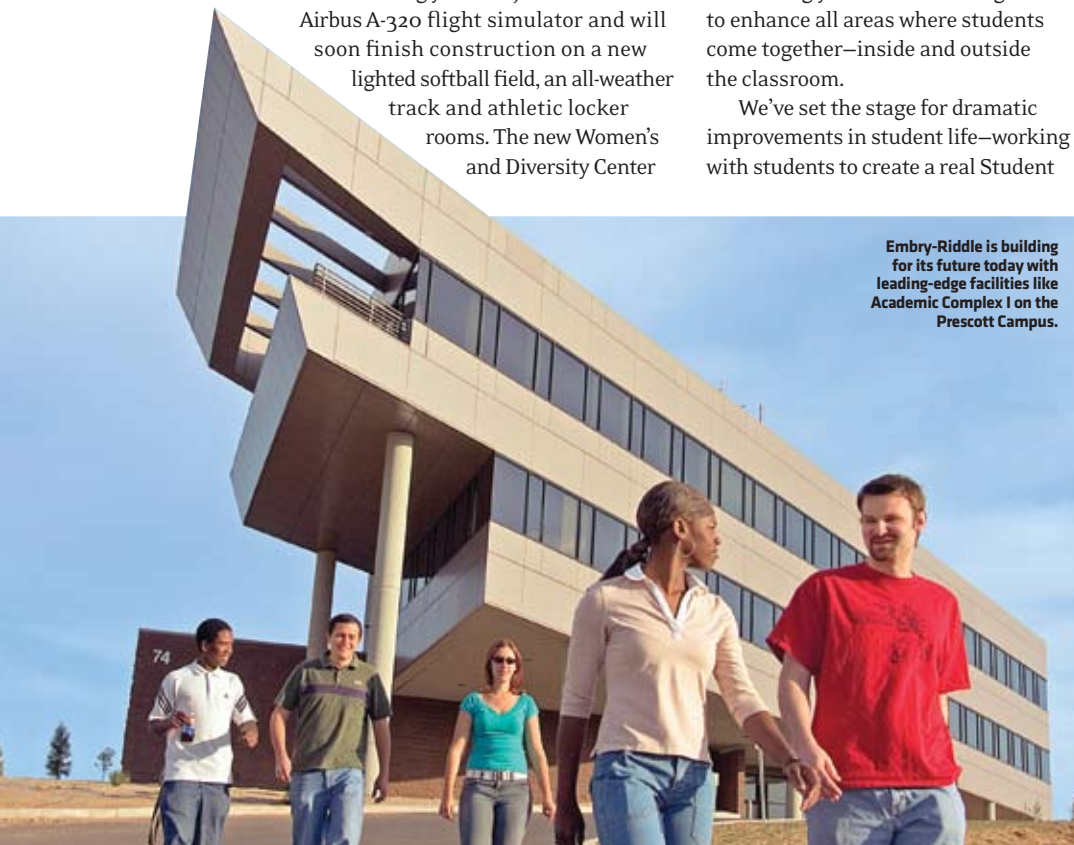
Expansion is the word for Extended Campus this year. We've opened two new U.S. centers, called Metro Centers, in Orlando and Atlanta, that provide degree, corporate training and professional development programs. We plan to add others in Los Angeles, Seattle, Dallas and Washington, D.C.

Outside the U.S., we're reaching out to international civilian students, beginning with our recent offering of the Master of Science in Technical Management degree in Luxembourg (see page 4). We're working to establish additional centers in Ontario, Canada; Madrid, Spain; and Hamburg, Germany.

We're adding programming too. Our two new degree programs, the Master of Science in Project Management and Master of Science in Logistics Management, will help industry managers "get things done" on time and on budget, using today's advancing technologies.

Finally, we're concentrating on great customer service—at headquarters and throughout the centers. We're eager to make Extended Campus student service the best it can be.

Embry-Riddle is building for its future today with leading-edge facilities like Academic Complex I on the Prescott Campus.



Volusia County
FLORIDA

Department of Economic Development

Our mission statement: to generate and sustain the *economic growth* of the County by encouraging new capital investment and creation of 'high skill and high wage' full-time employment, while maintaining the area's abundant natural and man-made resources...

RELOCATING your business to Volusia County

- About Volusia County and our cities
- On the economic scene weekly update
- Statistics, key reports
- Who WE are
- Business properties
- Business assistance
- Business financing
- Industry profiles
- Employment support
- Index to site

Click on photo above if you are interested in learning more about relocating to, or expanding your business within, Volusia County.

Entrepreneurs welcome here.

The Volusia County Department of Economic Development salutes the entrepreneurial spirit of Embry Riddle graduates—past, present and future. We are proud to support their enterprises through a variety of programs, including:

Funding assistance for qualifying projects to support submission of Small Business Innovative Research (SBIR) applications for early-stage project research and development.

The Procurement Technical Assistance Program to assist companies in obtaining government contracts.

The ATC Entrepreneurial Center for inexpensive start-up/interim office space and other assistance.

Learn more. Call 386.248.8048 or visit us at:



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business.org

CLASS NOTES

Career News

1960s

Allan Ashbury ('62, CL) retired from the Federal Aviation Administration after 34 years. He was hired as an air carrier operations inspector and rated in the B-707, -727 and DC-9 aircraft. He held FAA certificates including helicopter, balloons, A&P, dispatcher, flight engineer and CFL. He spent the last 17 years as the manager of the Flight Standards District Office in Riverside, Calif.

Don Henry ('62, MC) lives in Titusville, Fla., where he works as a consulting product designer and does volunteer work restoring old warbirds at the Valiant Air Command.

1980s

Craig Stechman ('80, DB) is an aviation-purchasing manager for DHL Aviation Americas Inc.

Glenn Allkire ('82, DB) is a project leader for the J.W. Flynn Company, where he successfully negotiated and placed the Designers' Professional Liability coverage for the Indianapolis Airport Authority and their new Indianapolis Airport Terminal Project, valued at \$800 million.

Jeffrey Barath ('82, DB) received an MBA/Finance from the Columbia Business School, New York City in May 2005.

Steve Wegryn ('82, DB) is a manager for North American Aerodynamics at Ford Motor Company. He and his wife, Karen, live in Novi, Mich.

Bob Barton ('83, DB) is the general manager of single-aisle marketing for GE Transportation, Aircraft Engines, where he has worked for 22 years.

Scott Schindler ('83, DB) flies a G-IV and a Hawker 800 XP for Talon Air, a private charter company in N.Y. He is married with two daughters, Paige, 12, and Carly, 8.

Scott Thompson ('83, DB) is the production program manager for the Marine Ship Control program at Lockheed Martin Simulation, Training & Support in Orlando, Fla. These controls are used to power the turbines in the USS Arleigh Burke

Class of destroyer ships within the U.S. Navy.

Frank Kallam ('85, DB) is an ARINC contract engineer for the U.S. Army in the GPS Joint Service System Management Office, located at Robins Air Force Base, Ga. He received a master's degree in Software Engineering from Embry-Riddle in April 2005. He and his wife have a 2-year-old son, Jacob.

Matt Maranto ('85, DB) is a vice president of Human Resources at Quality Park, a business segment of Cenveo. He and his wife, Thy, recently celebrated their 14th anniversary. They



have two children, Russell, 10, and Lily, 8, and live in Castle Rock, Colo.

Claudio G. Pedraita ('85, DB) is an LM2500 gas turbine line leader for GE Transportation. He is responsible for leading the final testing and delivery of LM2500 gas turbines to customers worldwide.

Thomas H. Broome III ('86, PC) is a first officer for American Eagle Airlines. He and his wife, Mary-Sue, have two children, Marissa, 7, and Troy, born on June 25, 2004.

John H. Dixon ('86, EC) is an offensive operations officer assigned to the 112th Air Operations Squadron, Pennsylvania Air National Guard, based in State College, Pa.

Madelene Vega ('87, PC) has returned to the U.S. after three and a half years of flight test contract assignments in Italy, Germany and Brazil. She now works on the C-17 at the Edwards Air Force Base.

Buck Wyndham ('87, DB) flies privately owned military jets, is a 757/767 pilot for United Airlines, owns a video production company in Illinois and writes books.

Demian David Brooks ('89, PC) is a pilot for Northwest Airlines, flying the Airbus/DC-10. He credits his career success to his uncle, Bill Linkrom ('41), former Embry-Riddle flight instructor. "A great thanks to my uncle...He told me there was only one place to learn to fly. He was right."

Lu-Ann M. Dominguez ('89, EC) has been named a shareholder for the law firm of Gunster, Yoakley & Stewart, P.A. Her practice areas include tax law, federal and state tax controversies and corporate work.

Adrienne Farrar ('89, DB) has been a flight officer for UPS since January 2005. She is married to Michael Darden.

1990s

Steven Hull ('90, DB) is the manager of technical support for Eastman Kodak Company's Aviation Services, based in Rochester, N.Y. He manages five technicians and provides

maintenance for a Bombardier Global Express and two Bombardier 604 Challengers.

Joseph Kalil ('90, DB; '95, EC) lives in Florence, Ky., and is married with two children. He flies B-757s and B-767s with Delta Air Lines, based in Cincinnati, Ohio.

Jeffrey Manno ('90, EC) was promoted to production manager with Invacare Corporation.

Marc Schwind ('90, DB) is a captain on the Challenger 604 with Boeing Executive Flight Operations. He and his wife had a daughter, Emma Rose, on March 13, 2005.

Michael A. Gerlach ('91, DB) is a space shuttle cargo mission manager for the United Space Alliance, Johnson Space Center.

Major Dieter Haney ('91, '92, DB) works in the Basing and International Affairs Division at Headquarters Air Force Space Command, based at Peterson AFB, Colo.

John Hunt ('91, DB; '95, EC) is the vice president of Aircraft Sales for SouthEast Piper and president of the Florida Aviation Trades Association. He is married with a daughter and lives in Tallahassee, Fla.

Samuel Mason ('91, DB) was promoted to first lieutenant in November 2004 during his deployment to Iraq for OIF III, where he works as an assistant task force engineer for infrastructure security and force protection. When he returns from military leave, he works at the Philadelphia International Airport as the GIS/Spatial Data program manager, in support of the airport's engineering and information technology departments. Mason is married to Dawn Elliott and has two children, Mark, 12, and Amanda, 10.

Dave DeFossey ('92, DB) is the key account manager of Passenger Sales for United Airlines, based in New York City. He handles a large number of Fortune 500 companies and is the senior member of the sales staff. He lives on the south shore of Long Island, N.Y.

Jeff Cook ('93, DB) flies the 737-200 for Alaska Airlines, based in Anchorage. He lives in Lakewood, Wash., with his wife and two children.

Ronald A. Nielson ('93, DB) is an operations manager with Dunham Express Inc. in Milwaukee, Wis.

Major John Eubanks ('94, DB) is a C-130 evaluator navigator and assistant operations officer for the 2nd Airlift Squadron, Pope AFB, N.C. He will complete his master's degree in Aeronautical Science this fall. He and his wife, Asha, recently celebrated their 10th anniversary in Hawaii.

Tora Gore ('94, DB; '04, EC) is an HC-130 instructor navigator for the Alaska Air National Guard and was promoted to Major in January 2005. He married Atsuko Hoshino from Iruma, Japan, in November 2002.

Catherine (Downs) Noorlun ('94, PC; '01, EC) is the director of operations for the Embry-Riddle Extended Campus, Minneapolis Center.

CAMPUS LEGEND:

- CL *Clewiston Field, Fla.*
- MC *Miami Campus*
- DB *Daytona Beach, Fla.*
- PC *Prescott, Ariz.*
- EC *Extended Campus*

Craig Fuller ('96, PC) is the chief flight instructor of Arizona State University's flight program in conjunction with Mesa Pilot Development (Mesa Air Group) at Williams Gateway Airport in Mesa, Ariz.

Larry Voliva ('96, EC) is a captain for Southwest Airlines, based at Chicago Midway. He and his wife, Cindy, have two daughters, Shelby and Megan, and are expecting their first grandchild. They live in San Diego, Calif.

Clif Seigworth ('97, EC) retired from the U.S. Air Force on March 1, 2005, after 23 years of service. His unit of assignment was the 544th Information Operations Group, Peterson AFB, Colo., in the field of logistics.

Scott Dittamo ('98, DB) is the winner of the first annual Archie League Air Traffic Safety medal.

He received the award in Washington, D.C., in May 2005.

Patrick Baus ('99, EC) is developing the next generation Boeing KC-767A Tanker as a senior contracts administrator for Smiths Aerospace, based in Corona, Calif.

Capt. Naji Malek ('99, DB) has been an assistant vice president of USAIG since April 1, 2005.

Michael McMillan ('99, EC) is the president of Meggitt/S-TEC. He will lead the company's strategic direction in all areas including design, manufacturing and sales for the legacy as well as advanced flight control systems.

Lorena de Rodriguez ('99, EC) is the president and founder of AviaEd and SSI,

an aviation security and safety e-learning company, which has deployed an interactive airfield driver-training program to the Key West International Airport.

Kandi Spangler (McCoy) ('99, DB) is the director of regional sales for The Air Group Inc. She and her husband are building a Van's Aircraft RV-8 at their home near Chicago, Ill. Visit their Web site: sierrakilo.com.

Nick Walker ('99, PC) is a CRJ captain for Pinnacle Airlines, based in Minneapolis. He is preparing to fly for UPS in the near future.

Beverly (Reed) ('99, PC) and **David Wall** ('99, PC) live in Houston, Texas. Beverly works for NASA as a flight controller and David is a captain for Continental Express.

Family News

1980s

6 James Zeiler ('80, DB) and his wife, Patricia, had a son, Grant David, at 7 p.m. on Friday the 13th in May 2005. Their daughter, Hailey, also was born at 7 p.m. on Friday the 13th in August 1999. James is an operations supervisor for the FAA at Daytona Beach TRACON.

Jeffrey Miller ('86, DB) was married in 2002 and had a daughter, Holly Susan, on March 24, 2005.

Danny Miller ('88, DB) and his wife, Wendy, are expecting their first child at the end of this year.

Joe Hart ('89, PC) and his wife, Christine, had their second daughter, Ella Simone, on Oct. 13, 2004. They also have a 4-year-old daughter, Sophia.

1990s

Ronald S. Volkin ('91, DB), and his wife, Cheri, had their second daughter, Annaliese Rose, on Jan. 4, 2005. They also have a 4-year-old daughter, Cassie. Ron is currently a major in the U.S. Army stationed at Redstone Arsenal, Ala.

8 Jeffrey Turner ('92, PC) had a son, Jackson Allen, born on Nantucket Island in June 2004.

Tim Holmes ('93, '96, EC) and his daughter, Danielle, moved to Daytona Beach for Danielle to complete her master's degree at Embry-Riddle.

Roger Sulton ('93, DB) and his wife, Skye, had a daughter, Gabriella Michele, on Dec. 9, 2004.

Jim Coletti ('95, DB) and his wife, **Jodi** ('02, EC), had their second child, Joseph James, on Feb. 14, 2005. They also have a 2-year-old daughter, Alexis. Jim is a second officer at FedEx and Jodi works on aircraft engines for Pratt and Whitney.



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Leslie Hammond ('95, DB) and her husband, Greg, had their first child, Rowan Avebury Marshall, on Sept. 12, 2004.

Chris Hildebrandt ('95, DB) and **Melissa (Nagurny)** ('97, DB) had a son, Connor James, on Nov. 27, 2004.

Cassandra (Woody) Wexler ('96, DB; '01, EC) and her husband, Kyle, are expecting their first child this summer. Cassandra joined the Airspace and Modeling Team at CSSI Inc., a Washington D.C.-based government contracting firm. Visit their family Web site at wexlers.us.

Lisa (Hilton) DeVries ('97, PC) and her husband, Brandon, had a son, Tyler John, on Dec. 16, 2004.

7 Jessica (Ratliff-Klas) ('97, PC) and **Shawn Dickman** ('98, PC) had twins, Cort and Ella, on Jan. 22, 2005. They also have a 2-year-old son, Brody.

Vince Patrick Wright ('97, DB) and his wife had their second daughter, Brynn Lynea, on Dec. 14, 2004. They also have a 2½-year-old daughter, Aleah Paige.

Lisa (Burns) Cavett ('98, DB) and her husband, Jackson, have a daughter, Emily. Their second daughter was born in July 2005. Lisa works for Applied Systems Intelligence Inc. in Roswell, Ga.

James Evans ('99, DB) and his wife, Carolina, had their first child, Lucas Matthew Mayrinck, on April 8, 2005.

2000s

2 Emilian Caleap ('03, EC) had a daughter, Emily Marina, on March 17, 2005.

5 Kathy Ihde ('03, PC) had a daughter, Hanna Elizabeth, on Jan. 1, 2005. Kathy flies Kingair 2005 for a Part 135 company in Appleton, Wis.

3 Michael O'Neill ('03, DB) and his wife, Laury, had a son, William Jonathan, on March 29, 2005.

2000s

Daryl S. Elsberg ('00, DB) is one of the founding leaders of Song, Delta Air Lines' low-cost air service. He has been promoted to general manager of Flight & Ground Operations in Ft. Lauderdale, Fla.

Michael Bateman ('01, EC) works for the federal government in the field of Configuration/Data Management for the Program Management Office for Tactical Operations Centers/Air and Missile Defense Command and Control Systems.

Reiner Goetz ('01, EC) is a general manager of Dynamic Science Inc. in Phoenix, Ariz. He is responsible for the management of Air Traffic Control Contract Tower Services, the support of the Air National Guard at seven locations, and the Lea County Municipal Airport in Hobbs, N.M.

David A. Kraft ('01, EC) is an Air Force Fighter Training Systems (AFFTS) test manager for The Boeing Company in St. Louis, Mo.

Jennifer Mc Nerney ('01, DB) is an air traffic controller for the FAA, Washington Center in Leesburg, Va.

Trebor Yocum ('01, DB) is an English teacher at ECC (Educational Center for Children). He lives in Seoul, South Korea.

Michael J. Brestensky ('02, DB) was hired by American Eagle in May 2005.

Mark Lockwood ('02, DB) is the director of airline training with Regional Airline Academy Inc., where he is responsible for all training leading to airline employment.

Randy Rynders ('02, EC) is the department chairperson for Aircraft Structural Technology at Middle Georgia Technical College in Warner Robins, Ga.

Caitlin M. Sweeney ('02, DB) will graduate from Air Force Specialized Undergraduate Pilot Training this fall and will fly the C-5s at Westover Air Reserve Base in Massachusetts.

Russell Swift ('02, DB) is an aerospace engineering contractor for the U.S. Army Aviation at Redstone Arsenal in Huntsville, Ala.

Lorianne Weller ('02, DB) was promoted to AirTran Safety Collaboration Program (ASCP) coordinator/flight safety investigator in AirTran Airways' Corporate Safety Department, based in Atlanta, Ga. She is responsible for the ASCP Flight and Dispatch programs.

Mark Andrew Bennett ('03, DB) is doing contract work on the Fokker F100 as a training captain for former DC-9 pilots.

Christopher Matsuno ('03, PC) is a project engineer for Honeywell in Tempe, Ariz. He is working on the Standard Missile 3 Project for the AEGIS Ballistic Missile Defense Program.

Jeremy Nelson ('04, EC) has been commissioned as a second lieutenant in the U.S. Air Force after graduating from Officer Training School (OTS) at Maxwell Air Force Base in Montgomery, Ala. He will serve as a space and missile system operations officer assigned to the 392nd Training Squadron at Vandenberg Air Force Base in Lompoc, Calif.

Mark Rittman ('04, PC) and his wife, **Katy (Seeborg)** ('01, PC) fly the Saab 340 for Mesaba Airlines, based in Detroit, Mich.

Anthony Moore ('05, EC) was promoted to a Lear 60 captain with Jetride Inc., a division of Airnet Systems, where he has worked for nearly five years.



Weddings & Engagements

1990s

Brenton Everett ('92, '93, EC) and his wife, Sharise Edwards, had their 20th wedding anniversary. He also purchased a T-72 Cessna.

Patrick Mack ('92, DB) married Darla Cunningham on May 13, 2005. They live in Horseheads, N.Y. Patrick is a pilot for First Flight Management, based in Elmira, N.Y.

Steve Graff ('93, DB) married Sarah Smith on April 30, 2005. Steve is a Challenger 300 captain at Bombardier Flexjet. They live near Dallas, Texas.

Jered Apgar ('95, PC) married Colleen McCrystal in July 2005. Jered currently works in marketing for TSM, North America. They live in New York.

Devin Ferebee ('95, PR) married Susanne Canfield on June 25, 2005. They live in Lakewood, Colo. Devin is a Beechjet captain with Flight Options, LLC.

Michael Anthony Hall ('97, DB) will marry Helen Varela on Oct. 22, 2005, in Valencia, Calif.

2000s

Daniel Pooler ('01, DB) will marry Leah Walden in September 2007. Daniel is a corporate pilot for Holland-Sheltair Aviation Group. They live in Ft. Lauderdale, Fla.

Jennifer Combs ('02, DB) married Andrew David Charles Campbell on May 28, 2005, in North Carolina.

Apurva ('03, DB) and **Jeremy Lanman** ('03, DB) were married on June 26, 2004. They both work for Lockheed Martin Corporation in Orlando, Fla.

Gustavo Alcivar ('04, EC), and his wife, Celia Ambar Tapia Alcivar, celebrated their wedding anniversary on May 25, 2005.

IN MEMORY

William M. Lehman ('43, MC), 1913–2005



Former U.S. Representative and Embry-Riddle supporter William Lehman died on March 16 at a hospital in Miami Beach. As one of the nation's most influential congressmen, especially in

the transportation arena, Lehman played a vital role in the development of Embry-Riddle.

"In my opinion, without Bill Lehman's assistance the Lehman Center would not exist," says Bob Rockett, dean, Embry-Riddle Heritage Project. "He worked tirelessly to help us gain the support necessary to fund the project."

In recognition of Lehman's efforts, Embry-Riddle dedicated the Lehman Engineering and Technology Center at the Daytona Beach campus in 1995, which now houses the largest aerospace engineering and engineering physics programs in the nation. A 25-foot stainless steel sculpture created by Lehman's wife, Joan, stands at the entrance to the building.

Lehman graduated in 1943 from the Embry-Riddle training center in Miami and then became an Embry-Riddle instructor at the Miami center and in São Paulo, Brazil. He and Embry-Riddle co-founder John Paul Riddle later established a training center in Brazil.

From 1973 to 1992, Lehman served in the House of Representatives and was chairman of the House Appropriations Committee's Transportation Subcommittee. During his 10 years as chairman, he controlled billions of dollars earmarked for airports, seaports, highways and mass-transit systems.

As a tribute to his contributions to Embry-Riddle and the aviation industry, Lehman received an honorary doctorate in Aviation Business Administration from Embry-Riddle in 1992.

1940s

Eric Erickson ('40, MC) March 2005

Lt. Col. Howell Broxton ('43, MC) May 27, 2004

Fred Pawlikowski ('43, MC) Dec. 7, 2004

David Noel ('45, MC) Jan. 29, 2005

1980s

Jose Victor Gonzalez ('84, DB) March 11, 2005

Keith Hodge ('89, PC) March 11, 2005

1990s

Carl Bernas ('91, DB) Fall 2004

Patrick Leach ('92, DB) Dec. 9, 2004

2000s

Steven Ray Elledge ('02, DB) March 22, 2005

Jonathan Palmer ('02, EC) Oct. 19, 2004

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This FREE alumni online community was created exclusively for you! Join today and receive special offers during Homecoming Weekend. Visit www.ERAUalumni.org to become a member or to invite others to join the eaglesNEST today!

Wednesday, October 26

10:00 AM–3:00 PM	Industry/Career Expo	ICI Center
8:30 PM–11:00 PM	Movie on the Lawn	West Lawn

Thursday, October 27

9:00 AM–4:00 PM	Early Bird Registration/Check-In	Spruance Hall #118
10:00 AM–3:00 PM	Industry/Career Expo	ICI Center
4:30 PM–5:30 PM	Junior Class Social, Hosted by the Alumni-Student Connection	ICI Center
8:00 PM–10:00 PM	Student Talent Show	Student Center
8:30 PM–10:30 PM	Women's Volleyball Game, ERAU vs. Northwood Univ.	ICI Center

Friday, October 28

8:00 AM	Open House, hosted by Admissions	On Campus
9:00 AM–8:30 PM	Registration/Check-In	Information Tent on Campus
8:00 AM–NOON	EAA/COC Golf Tournament Contact Athletic Department at (386) 323-5033 for registration information.	LPGA Golf Course
11:00 AM–3:00 PM	Alumni Softball Tournament	Field on Campus
2:00–3:30 PM	Alumni Women's Volleyball Game	ICI Center
3:00 PM	Corradi/Sweginnis Legacy Plaque Dedication	Legacy Walkway
3:30 PM–5:00 PM	Homecoming Parade	On Campus
5:00 PM–7:00 PM	Tailgate Party	ICI Center
5:30 PM–6:15 PM	Blue & Gold Alumni Basketball Game	ICI Center
7:00 PM–9:00 PM	Homecoming Basketball Game, ERAU vs. Johnson & Wales	ICI Center
8:00 PM–11:00 PM	"Once Upon a Time...in Flight" Party	Crotty Tennis Courts

Saturday, October 29

8:45 AM–10:00 AM	"Embry-Riddle History" Seminar by Dr. Stephen Craft	Willie Miller Instructional Center #102
9:00 AM–4:00 PM	Registration/Check-In	Information Tent on Campus
10:00 AM–11:30 AM	Alumni Tours	Begins in front of Willie Miller Instructional Center
11:00 AM–4:00 PM	Alumni Hospitality Tent at Florida SkyFest Gates open at 8:00 AM. Alumni should use entrance at main gate on Richard Petty Blvd.	Daytona Beach Int'l Airport
8:30 PM–11:00 PM	Homecoming Entertainment	ICI Center

Sunday, October 30

9:00 AM–NOON	Registration/Check-In	Information Tent on Campus
10:00 AM–NOON	Brunch with the President	COA Building Atrium
11:00 AM–4:00 PM	Alumni Hospitality Tent at Florida SkyFest Gates open at 8:00 AM. Alumni should use entrance at main gate on Richard Petty Blvd.	Daytona Beach Int'l Airport



**Did you attend
Embry-Riddle
during the 1940s,
'50s or '60s?**

**We want to
honor you!**

Join us for a special Heritage Alumni Reunion during the Florida SkyFest airshow on Saturday, October 29, at the Alumni Hospitality Tent.

Enjoy premier airshow viewing with comfortable seating, a catered lunch and refreshments during the day, and the company of other alumni to reminisce about Embry-Riddle's early days.

Reserve your seat at this special reunion by completing the online registration form or contacting the Alumni Relations Office (800-727-ERAU, alumni@erau.edu) by October 21st.

This event schedule is subject to change. Visit www.erau.edu/alumni/homecoming for the current schedule and additional event details. Contact the Alumni Relations Office at 800-727-ERAU or send an e-mail to alumni@erau.edu for additional information.

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