EMBRY-RIDDLE AERONAUTICAL UNIVERSITY

IMPACT REPORT



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Philanthron

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PRESIDENT'S MESSAGE



In offering a helping hand to Embry-Riddle Aeronautical University students, you become agents of positive change, now and far into our future.

Aerospace is central to our economy, national security and our connection to people, places and experiences. In supporting our mission as the global leader in aerospace education, you make an impact beyond what we can immediately measure.

We must attract and prepare the talent required to speed economic recovery and push old boundaries around mobility, including security, safety and environmental responsibility. Your philanthropy is a powerful tool that advances professionalism, innovation, inclusion and equity in the industries we serve.

I can tell you how many scholarships we have awarded ... by what percentage we have diversified our faculty and student body ... and how many students we have reached in our recruiting and mentorship programs. I can quantify the number of industry gifts and the increased participation in our annual faculty and staff campaign and Eagles Care Student Emergency Assistance Fund. I am proud of those numbers.

However, those metrics tell just part of the story.

What I can't quantify is our donors' impact on incubating ideas and building skills at Embry-Riddle. Awakening talent is a fragile thing, but I have the privilege of seeing it strengthen every day. I witness it in our labs, classrooms, student competitions and awards programs, and on our flight lines. As benefactors, role models and ambassadors for our university, your support powers our forward momentum.

We share stories about our research findings and technical achievements with the public throughout the year. Your contributions underpin these ongoing successes, as well as those we celebrate in this *Philanthropy Impact Report* — our acknowledgment of your generosity. The gifts and guidance we receive from a coalition of alumni, corporate partners, trustees, faculty, staff and friends of the university go beyond goodwill; they endorse the value we deliver to students, which soon becomes value those students add to our communities and the world at large as entrepreneurs, employees and employers.

Thank you for investing in the ingenuity and passion that has always defined Embry-Riddle, our students and our graduates.

Sincerely,

T.B. Sunt

P. Barry Butler, Ph.D.
President

REACHING FOR THE STARS

Despite a global pandemic that created widespread economic uncertainty, Embry-Riddle supporters showed their steadfast commitment to students, the university and its programs in fiscal year 2021. In all, **5,262 individual donors** contributed more than **\$8.29 million** from July 1, 2020 to June 30, 2021.

Donors continue to place a high value on giving students hands-on learning opportunities, as demonstrated by the **\$1.2 million** contributed to programs and outreach. Helping Embry-Riddle reach for the stars, literally, some of these gifts will fuel a history-making mission in 2021 — as EagleCam becomes the first university student project to go to the moon [see page 14].

Launched in fiscal year 2020, the inaugural Philanthropy Council program is empowering donors to contribute directly to stellar students, scholarship and research. Members pledged nearly \$200,000 and supported 14 student projects in the program's first year [see page 6].

Student success also remains a top priority, as evidenced by the more than \$5.85 million dedicated to scholarships and fellowships. Scholarship contributions established **39** new scholarships, bringing the number of active scholarship funds to 262.

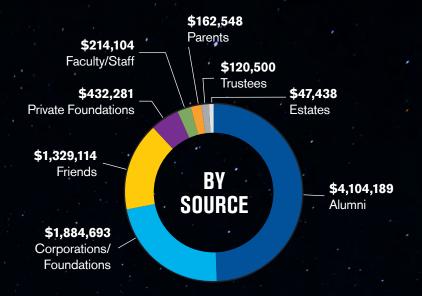
Embry-Riddle's donors continue to demonstrate compassion in giving. When COVID-19 forced businesses to shut down, the university established Eagles Care Student Emergency Assistance Funds to help students in crisis. More than 350 people gave more than \$230,000 to these funds, helping students with unexpected travel, housing and technology costs during the pandemic.

As the Eagles Care Funds prove, gifts of all sizes can make a difference. When compiled, individual contributions of \$1,000 or less added up to \$711,668 to benefit students and programs at the university.

While the pandemic created a uniquely challenging market environment, Embry-Riddle's strong fiscal strategy and new investments helped grow the endowment to \$244,238,000*. Thanks to your continued support, Embry-Riddle gives students opportunities to reach for the sky, the moon ... and even the stars.

Individual Donors FY21 **5,262**

Total Philanthropy FY21 **\$8,294,867**

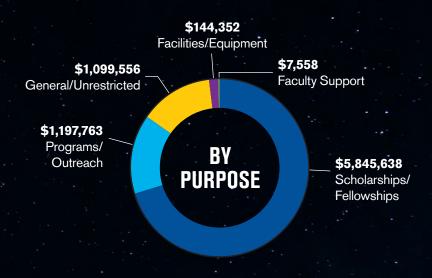


\$244,238,000^{*}

EMBRY-RIDDLE ENDOWMENT

\$2.3M

IN DONOR-FUNDED SCHOLARSHIPS AWARDED TO EMBRY-RIDDLE STUDENTS



≤\$1,000

WHEN COMPILED, INDIVIDUAL CONTRIBUTIONS OF \$1,000 OR LESS ADDED UP TO \$711,668 TO BENEFIT STUDENTS AND PROGRAMS AT THE UNIVERSITY

262

ACTIVE SCHOLARSHIP FUNDS AT EMBRY-RIDDLE

FIVE-YEAR HISTORY OF GIVING



39

NEW SCHOLARSHIPS WERE CREATED TOTALING MORE THAN \$1,246,585.

^{*}The total value of the university's long-term investment portfolio includes endowed funds and other long-term investments. Factors such as investment return, contributions, and distributions (e.g., scholarship awards) determine the market value.



BY MELANIE STAWICKI AZAM

Juggling a job, flight training and school, Embry-Riddle student Nasir "Paco" Martinez wasn't often able to attend campus events, but he remembers the time he saw United Airlines pilot Costas Sivyllis ('12) at an Air Line Pilots Association (ALPA) Aviation Collegiate Education (ACE) club meeting.

"I didn't personally meet him, but he was very charismatic," says the senior aeronautical science student. "I am familiar with Costas' story, and my overall goal is to be a United Airlines pilot."

Now, Martinez is closer to realizing that dream, thanks to support from the Costas Sivyllis Endowed Memorial Scholarship.

"When I found out I got the scholarship, I was so happy," says Martinez, who was raised by his mom in in Newark, New Jersey. "It helps a lot."

In conjunction with Sivyllis' family, the university established the endowed scholarship in honor of Sivyllis, who was just 30 years old, when he and his wife Lindsey Vogelaar, who was a United flight attendant, were tragically killed Oct. 5, 2020, in a plane crash east of Telluride, Colorado. The couple, who lived in Port Orange, Florida, had married Oct. 1, 2020, in Telluride and were returning home.

Supporting the next generation of aspiring pilots, the scholarship funds flight training costs for students in the aeronautical science program at the Daytona Beach Campus. At least 330 individual donors have contributed to the fund.

"The outpouring of support has been inspiring," says Alan Stolzer, dean of the College of Aviation. "I know this scholarship would please him very much, as he was a tireless advocate for providing opportunities for the next generation of aviators."

After graduation, Sivyllis remained a frequent visitor to Embry-Riddle and a mentor to future pilots, inspiring them with his positivity and passion for aviation. He was chairman of the National Education Committee for ALPA and served on the Industry Advisory Board for the College of Aviation at the Daytona Beach Campus. He was also an advocate for Embry-Riddle through his work with the ALPA ACE campus club and United Aviate, United Airlines' pilot development program.

"ONE OF COSTAS' MOST BEAUTIFUL AND UNIQUE GIFTS WAS HIS HUMILITY. I KNOW IN MY HEART THAT HE IS AMAZED TO SEE, FROM UP THERE IN THE CONTRAILS NOW, WHAT LEGACY HE LEFT FOR US,"

DIMITRIS SIVYLLIS (COSTAS' FATHER)

"I know that this provision, for the next generations to receive financial assistance in realizing their dreams, must be making him smile that well-known smile of his, happily and with great satisfaction."

Christine Sivyllis, who is Costas' mother, says the scholarship recognizes her son's "giving character, his aviation passion, and the dedication to his beloved university, which perfected his training and supported his ideas and achievements."

Costas friends, coworkers, and Embry-Riddle professors and staff came together immediately to raise the funds to endow the scholarship in her son's memory, she says.

"I can only imagine all the positive things Costas would feel about his impact," she says. "I am forever humbled, on his behalf, that his



contributions will continue to be recognized and that others may benefit from his endowment to help make their dreams also happen."

One such beneficiary, Tyler Wood, shares Sivyllis' love of aviation.

"My interest in aviation started early. My father was an airborne paratrooper, and what I remember most is how amazing the planes are," says Wood, who is from Orlando, Florida. "From the moment I was able to get up close and be around them, all I wanted to do was fly."

Wood, who is the oldest of four children, would ultimately like to fly for a larger commercial cargo or passenger airline and see as much of the world as he can. And like Costas Sivyllis, he hopes to inspire the next generation of pilots who come after him.

"Costas loved aviation and was taken from our world well before his time," says Wood. "As I get older, I want to help aspiring pilots pursue a career in aviation — like he has done for me."

To donate online, go to the Costas Sivyllis Endowed Memorial Scholarship Fund.

givingto.erau.edu/Costas



Ankit Rukhaiyar ('19) jokes that he and Jonathon Nadeau ('19) have been roommates for "too long." The two friends, who both earned a B.S. in Aerospace Engineering from Embry-Riddle and are now pursuing master's degrees in Mechanical Engineering, have lived together since their undergraduate days.

They have also worked together in Embry-Riddle's engineering physics propulsion lab since 2016, with faculty advisors Sergey Drakunov, Patrick Currier and NASA mentor/doctoral student Michael DuPuis ('97, '00). Their latest endeavor is Project Solstice: a satellite designed to clear debris from Earth's orbit. Thanks to support and exposure from Embry-Riddle's new philanthropy councils, the project is now fully funded.

MEMBER-LED IMPACT

During the inaugural year of the philanthropy council program (2019-20), 33 members joined one of the five college-based councils, pledging a total of nearly \$200,000 over a three-year term. In this first year, the councils collectively distributed support to 14 student projects and five scholarship recipients.

"I like to call it a boots-on-the-ground approach to philanthropy," says Jenni Craig, who directs the philanthropy council program at Embry-Riddle. "Council members build strong relationships with their respective deans, faculty and students within the college, and choose where to send their support."

One key aspect of membership is voting on how to distribute some of the donated funds. Student clubs apply and compete for council support. The process culminates in a formal presentation and an opportunity for the council members — most of whom are alumni — to question the finalists. Only the most promising projects, like Project Solstice, receive financial awards.

DIRECT BENEFIT

Prescott Campus College of Engineering
Philanthropy Council member Matt Savoca
('94), who had already established a separate
scholarship at Embry-Riddle prior to joining a
council, says he appreciated the opportunity to
see and hear the students' ambitions first hand.
For Savoca, who is executive vice president of
Kutta Technologies, the direct interaction is the
most valuable part of council membership.

"I've seen a lot in business, and now I feel like I have something I can offer these kids, some advice I can give. Maybe a word of encouragement will stick with them and help them land a job, or become a better engineer," he says. "It's good for the students to have the incentive, a true incentive. When you put some dollars on the table, they say, 'We really gotta nail this presentation and come up with a plan here."

PHILANTHROPY IN ACTION

Nadeau, who competed for council support at the Daytona Beach Campus, agrees. His Project Solstice team earned \$3,000 for the effort. The competition also resulted in additional support from two college deans' funds. Altogether, the contributions totaled more than \$9,200, speeding the team into the prototyping stage.

"The second the money came, it sent us into hyperdrive. It saved us six months," Rukhaiyar says. "With this money, since we will be able to complete a robust enough bench test of the prototype in time, Firefly Aerospace has offered us a spot on their launch vehicle for our test device."

Craig says Project Solstice is a perfect example of how collective philanthropy can create synergy to propel student success. "It's philanthropy in action," she says.



GRASS ROOTS GIVING

BLACK ALUMNI ESTABLISH NETWORK AND SCHOLARSHIP TO SUPPORT FUTURE PROFESSIONALS

BY CYNTHIA PUCKETT

Grass roots movements often begin in small ways, but when properly nurtured, they can grow quickly into meaningful action.

Recent human factors graduate Imani Murph ('20) is proof of what a well-executed movement can do. As one of the first students to benefit from the Black Alumni Scholarship at Embry-Riddle, which was established as part of a grass roots effort by the Black Alumni Network, Murph is now on course to complete her Ph.D. She has also distinguished herself as one of Embry-Riddle's most published recent graduates, with three scholarly articles to her name.

Murph attributes her success, in part, to donor-funded scholarships.

"I am blessed and grateful for all the scholarship support I received from our donors. I know someday I will be able to pay it forward for future students like me," she says. Murph's hard-won success exemplifies the spirit and purpose that inspired the Black Alumni Scholarship Fund.

BIRTH OF A MOVEMENT

"The genesis behind the creation of the Black Alumni Scholarship was to find a way to support students financially, as that is the primary challenge students face with completing college," says Embry-Riddle's Black Alumni Network leader Edmund Otubuah ('03). "One way to show that we were serious and committed to making a difference was by opening up our wallets and being a blessing to the students who work so hard."

"MORE THAN JUST THE MONEY ITSELF, [THE SCHOLARSHIP] PROVIDES STUDENTS WITH HOPE."

EDMUND OTUBUAH ('03)

Otubuah, along with his former roommate Derrick Stanley ('06, '10, '11), organized the Black Alumni Network in 2015. By 2017, they had formed and held the first Black Alumni and Student Reunion to connect alumni with students, and offer mentorship and career guidance.

"Networking at the 2017 reunion included the alumni reviewing resumes and talking to students," says Senior Director of Alumni Engagement Edmund Odartey ('04, '10). "It was the first time I've ever seen any group really holding the students' hands, looking at resumes and giving them contact information. That was very powerful."

Following the 2017 reunion, Otubuah, who is managing director of data analytics products at Global Eagle Entertainment and serves on the Business Leadership Council at Embry-Riddle's David B. O'Maley College of Business, challenged the network's members to create a term scholarship to benefit Black students with financial need. Several alumni joined him in making founding gifts to establish the fund.

PLANTING SEEDS OF HOPE

"More than just the money itself, [the scholarship] provides students with hope. Long before the recent public discourse on injustice and equality dominated the 24-hour news cycles, Black students have felt forgotten, unsupported and unheard. However, knowing that they have an alumni group that they can lean on goes a long way in instilling confidence to push forward to complete the task at hand," Otubuah says.

The network serves as a valuable resource for current students.

"We assign students with mentors based on their career interests and are always available to students for help with resume enhancements, scholarship opportunities, job and internship opportunities, and general life advice," he explains. "Our goal is to always pay it forward, and provide inspiration to the students by allowing them to meet successful alumni who look like them, and who are making an impact in the industry."



It is important to create a cycle of philanthropy, Otubuah adds, in order to make an enduring difference for students today — and tomorrow.

Murph would agree and has plans to do her part in the future. "I am passionate about helping Black students pursue graduate education. I know that being a professor will put me in a position to accomplish that," she says.



Erin Lenaghan-Chappel ('90) could have used a friend like Lindsay Cosby ('20).

Studying aeronautical science on the Daytona Beach Campus in the late-1980s, she had no sisterhood to help her find her feet and earn her wings. Today, thanks to the Chappel Aviation Enrollment Enhancement Fund, a culture of mentorship is rising, along with the next generation of women following her flight path.

"My husband Don and I made our initial pledge in 2018 when I was in a professional program on unmanned aerial vehicles (UAV). I asked Dean Alan Stolzer, wouldn't it be something if Embry-Riddle became the most sought after aeronautics program for young female aviators? This led to a meeting with Philanthropy and ongoing conversations with aeronautical science professor Michele Halleran on how to make the College of Aviation more supportive," Chappel says.

In 2019, the college launched the Women's Ambassador Mentoring Program and Cosby became one of five ambassadors. The Chappel Fund advances a broad effort to recruit and retain talent, under the direction of Halleran, who has earned enough professional certifications to wallpaper a hangar and has flown business jets, air ambulances and heavy jet aircraft.

The Chappel Fund supports Halleran in developing recruiting programs, deepening industry relationships and expanding alumni partnerships. In 2020, networking expanded to monthly check-ins and Zoom calls with alumnae, from airline executives to aerobatics pros. The Chappel Fund also pays for memberships and conference fees for groups such as Women in Aviation. Long-term strategies include outreach to more young women and establishing an endowed chair

for an expert focused on increasing female enrollment in STEM fields.

HELPING HANDS IN BOTH DIRECTIONS

In 2020, Cosby earned a B.S. in Aeronautical Science. As a multi/single instrument-rated pilot and flight instructor, she is logging flight hours, so she is ready to move into a first officer seat when post-COVID hiring ramps up.

Cosby hasn't made it this far alone. The first person in her "tribe of women on my side" predated the official ambassador's program. Katie Wood ('19), a graduate of her high school, helped her former classmate find a job in flight operations and eventually join her as a flight instructor. Women's Ambassador Makeda Dawson then helped Cosby connect with Embry-Riddle. "Makeda was awesome. She sent me a welcoming email, then she was there to answer questions and relieve my stress. I knew I wanted to help incoming students who followed me," Cosby says.

Cosby did not wait to make a difference. "Rewards were immediate. From tutoring a freshman in flight courses to helping someone land a job to build up flight hours, I could help other women even before I am well-established in my career," she says.

"Creating connections builds a network that will span my career. There is a ripple effect," adds Cosby, who attended the Women in Aviation Conference this year.

The ripples started and continue with Erin Chappel. In her 14-year career, she has been a flight instructor, organ transporter and commuter airline and corporate pilot. In 2016, she found a new way to express her love of flight as a novelist. Through aviation-themed books and speaking engagements, she encourages STEM skills and promotes a spirit of success. She encourages women to push past

fears, understand that anxiety may actually be excitement and infuse work with gratitude and fun.

"CREATING CONNECTIONS BUILDS A NETWORK THAT WILL SPAN MY CAREER."

LINDSAY COSBY ('20)

On her website, elchappel.com, Chappel has posted "Notes to My Younger Self" blogs. She writes, "You have the power and skills to create whatever you want in every circumstance."

Fueled by the Chappels' generosity, women at Embry-Riddle are claiming their power and creativity and raising their ambitions. Together.





BY ALAN MARCOS PINTO CESAR

Nearly a decade since the EagleSat project began at Embry-Riddle's Prescott Campus, 60 students are preparing to launch the second iteration of a small-scale research satellite—thanks, in part, to support from the Margaret T. Morris Foundation.

Embry-Riddle's first student-designed CubeSat launched in November 2017. In spite of COVID-19-related launch delays, EagleSat 2 is on the fast track to its scheduled 2022 launch.

The project's benefits are far-reaching, says faculty adviser Daniel White. "EagleSat 2 continues to be one of the student-led projects on our campus with the greatest student involvement, the highest educational return and the most challenging thresholds for success."

As new students join the EagleSat team, they learn from the ongoing project's successes and failures. For example, a systems engineering approach implemented with EagleSat 2 helped shorten the development timeline, says project manager and aerospace engineering student Abby Hudson. "We learned a lot of what not to do from building [EagleSat 1].

A BENEFACTOR FOR GOOD

Tom Polk's involvement with Embry-Riddle's property in Yavapai County, Arizona, goes back more than half a century, to when the university's current grounds were home to Prescott College. The property and slump-block facilities ultimately became the building blocks for Embry-Riddle's home out West.

Today, decades later, Polk maintains a relationship with Embry-Riddle through his role as a trustee of the Margaret T. Morris Foundation. Morris moved to the Prescott area in the latter years of her life out of a love for Arizona ranching, Polk says, but she always maintained a strong sense of community and duty.

"When she passed away, she left the bulk of her estate to support causes related to the environment, education and the arts things that are traditionally underfunded by the government."

Polk says the Morris Foundation partners with Embry-Riddle and other organizations in Arizona, and especially Yavapai County, to multiply its impact. A substantial gift from the Morris Foundation is supporting the EagleSat 2 project.

RETURN ON INVESTMENT

The gift was indispensable and much appreciated, Hudson says. "The components we can't make, we have to buy. Those can be tens of thousands of dollars each, and usually we need two: one to test on and one to send into space."

The experience, however, is priceless. Students benefit from their work on the EagleSat project throughout their careers, White says. And, society benefits from the leaders and the science the project produces. "The forthcoming EagleSat 3 will leverage the organizational infrastructure that we've developed to field an asset that offers even greater scientific return," White says.

► IMPACT

EagleSat 2 will conduct two primary missions. It will study the impact of radiation sources in space on digital data storage devices and collect data on the origins of high-energy interstellar particles that bombard Earth.



Taylor Yow never imagined she would work on a spacecraft destined for the moon while she was still in school.

But thanks to a partnership with NASA commercial payload provider Intuitive Machines, its president/CEO Embry-Riddle alumnus Steve Altemus ('87) — and the support of generous donors — she is one of 24 Embry-Riddle students involved in EagleCam. A student-faculty-industry collaboration, EagleCam is a camera system that will capture the first-ever, third-person image of a spacecraft making an extraterrestrial landing.

"EagleCam has fulfilled dreams I didn't even know I had," Yow says. "Working on a spacecraft that will actually go to the moon has given me practical experience in the design, manufacturing, and management of a spacecraft that I would not have gotten in a classroom."

LUNAR RESEARCH

In addition to snapping the first "selfie-like" shot of a lunar landing, EagleCam will be the first university student project to land on the moon, and the first demonstration of Wi-Fi technology on the moon. Plus, data will be collected and research conducted in areas such as dust-removal technology and image processing, in collaboration with partners that include NASA and the Air Force Research Laboratory.

Faculty are also working on a trade study with Intuitive Machines, investigating the use of

Long-Term Evolution (LTE) wireless broadband solutions for data transmission in space.

"This is a historic project that hits several firsts, and the scientific return on this mission is enormous," says Associate Professor Troy Henderson, one of three Embry-Riddle faculty members leading the EagleCam project.

ENGINEERING CHALLENGE

When Intuitive Machines signed a contract with NASA to land and operate multiple payloads on the surface of the moon, Altemus saw an opportunity to partner with his alma mater. He challenged Embry-Riddle's College of Engineering faculty and students to design and build a spacecraft that could detach from the Nova-C Lunar Lander to photograph and document its descent and lunar touchdown. The data EagleCam captures and transmits will be used for a variety of studies, including moon dust plume analysis.

Altemus, who serves on the College of Engineering Industry Advisory Board, says he wanted to partner on a special project with the university to give back to his alma mater and current students.

"I received a world-class education and went on to have an amazing career at NASA," he says. "I would never have had that without Embry-Riddle, so I've always had a sense of loyalty and a desire to pay it back in some way."

College of Engineering Dean James Gregory says financial donations from corporations, foundations, alumni, faculty, staff and parents, plus gifts-in-kind of services, equipment and technology have allowed the university to pursue this extraordinary opportunity. Additionally, the project is supported by several research contracts.

"The EagleCam students and professors are going to give humankind a new perspective on the moon," Gregory says. "We are very grateful to Intuitive Machines for presenting us with this challenge and to our donors for making it a reality."

One of the biggest challenges, Henderson says, has been constructing EagleCam to withstand the stress of the launch and the harsh environment of space. Additionally, its own moon landing will be entirely autonomous.

"Space is hard because you've got the launch itself with the shock and vibration effects and high speed, then the space environment is insanely cold with radiation," he explains. "Part of it is just the unknown environment we have to operate in, and there is minimal room for any mistake."

PRICELESS EXPERIENCE

While acknowledging the historic nature of the mission, Henderson says the primary aim for the university is to give students hands-on engineering and leadership experiences. The project is already achieving these goals.

"I have had the opportunity to not only design parts of the system, but have also had a hand in the decision-making process," says doctoral student Christopher Hays ('19, '20). "As an aspiring professor, this project has given me unique experience in participating in a large-scale engineering and researcher-collaborative endeavor with impacts in both academia and industry."

EagleCam is set to launch in the fourth quarter of 2021 aboard Intuitive Machines' Nova-C Lunar Lander, on a SpaceX rocket from Cape Canaveral, Florida.

Learn more and support EagleCam at daytonabeach.erau.edu/eaglecam.



THINKING BEYOND THE HORIZON

FRANK AND TINA NEWMAN MAKE A LONG-TERM INVESTMENT IN THE PRESCOTT COMMUNITY

BY GREG HOLLBACK

After a long career in logistics and supply chain management — where they repeatedly crossed paths with Embry-Riddle graduates working in the profession — Frank and Tina Newman decided to support the future of the industry and community that they love. In September 2019, they made a planned gift to create an endowed scholarship that will benefit students studying global business and supply chain management at the Prescott Campus.

Desiring to make an impact now, Frank and Tina also established a term scholarship that will provide immediate financial assistance for students, as well as career advice from two seasoned logistics professionals.

"I am very grateful for the opportunities the Newman scholarship opened up for me," says student Joel Harper. "This generous award will allow me to continue my passion for business and supply chain management in a challenging environment."

With more than 80 combined years of experience, the Newmans have a lot to share. From Frank's production and sales career

at Douglas Aircraft and 36 years as managing director at FedEx, to Tina's sales position at US Navigation Carriers and as chief commercial officer of Mallory Alexander International Logistics, their careers have run the gamut.

They are looking forward to offering mentorship opportunities to scholarship recipients in the hope of encouraging them to take a long look at logistics as a possible career path. "Logistics is a very dynamic career. But there's not enough people in it," Tina says.

MAKING A DIFFERENCE

As their careers wound down, the couple started thinking about how to support the next generation of logistics professionals. Living in Prescott, Arizona, they had to look no further than the premier university in their area.

"We see Embry-Riddle is making a difference in the world community. And in our small way, we'd like to make a difference in the Prescott community," Frank says.

The Newmans are passionate about helping future leaders establish their careers. In offering insight and advice to the next generation, they hope to instill three important concepts: "imagination, creativity and tenacity."

As Frank says, "Some of the world's greatest business leaders are people who can see beyond the horizon." While it is important for students to focus on their studies, in order to graduate, Frank and Tina also encourage them to look beyond the next four years and get creative with their futures.

"The most important thing I learned working in freight logistics, where my entire world was a freight box," Tina says, "is that I had to literally, think outside the box. You have to use all the knowledge and tools at your disposal to move that box." Forward and creative thinking are key to a successful career and life, she says.



ESTATE GIFT FUELS STUDENTS' PASSIONS

BY MELANIE STAWICKI AZAM

Warren Childers ('75) first became interested in aviation as a boy growing up on his family's northern Montana ranch.

"I'd be out feeding cattle in the winter and it would be below zero and the wind is blowing," Childers says. "Those Northwest DC-6s would fly over ... and I'd be thinking, 'Boy, I bet those pilots can eat and get a cup of coffee if they wanted. I've got to think about doing that someday."

He did more than think about it. He ended up working in the aviation business for decades, including owning his own aviation consulting business for nearly 35 years. Now, mostly retired, he and his wife of 49 years, Kristine, want to help others reach their educational goals.

The couple established the Warren and Kristine Childers Endowed Scholarship to aid future students studying cybersecurity and/or aviation maintenance science. "We know what it's like to need a little financial help to get through," says Childers, who helped finance his education with grants and loans.

The self-described "cowboy and farm boy" followed his passion for aviation around the globe. With his estate gift to Embry-Riddle, he said he hopes to help others pursue their passions.



TRIPLE PLAY

RADIOLOGY ASSOCIATES IMAGING SUPPORTS HEALTH, WELLNESS AND SUCCESS OF STUDENT-ATHLETES

BY SARA WITHROW

After more than 14 years of partnering with Embry-Riddle to provide quick access, affordable diagnostic imaging services to student athletes, Radiology Associates Imaging (RAI), the official imaging provider for the Daytona Beach Campus, has now taken its partnership with Eagle Athletics to a new level.

This past year, RAI turned a triple play in support of Embry-Riddle's student-athletes. The radiology imaging practice established an endowed scholarship for softball student-athletes, created a multi-year sports medicine internship and funded a much-needed remodel

of the on-campus sports medicine facility. RAI also created a term scholarship, so that student-athletes could benefit immediately, without having to wait for its endowed fund to mature.

Lisa Adams, the CEO at RAI, says the lineup of support is designed, in concert with the athletic department, to help the program where its needs are greatest.

"We have always worked closely with the university and trust that they will utilize these funds in the best way to promote and provide for their student athletes," she says.

MOTIVATING SUCCESS

ReAnne Drayton, a senior who plays softball for Embry-Riddle, has been doubly blessed by RAI's generosity, receiving much-needed imaging services and scholarship support while at the university.

"My freshman year, I completely tore my labrum (ligament) in my shoulder and I had to get an MRI," she says. "They take amazing care of our athletes.

"When athletes get hurt or injured, most of them don't know if they can afford to get X-rays and get checked out. They [RAI] build a bridge and fill the gap between you and your insurance."

The inaugural recipient of the RAI Softball Scholarship, Drayton says the award has renewed her motivation. "For me, it personally drives me to go harder. I'm not just doing it for myself, I'm doing it for someone who put something behind me. I'm doing what's right for the people who are supporting me," she says.

Although COVID-19 derailed collegiate competition (2020-21), Drayton is considering graduate school and playing next year for the Eagles.

A WIN-WIN PROGRAM

Athletics Director John Phillips ('90, '92) says RAI's support is critical to the growing athletics program, which has doubled since the school transitioned from the NAIA to NCAA-Division II. "We added four sports and went from 240 student-athletes to 480, which is a huge jump," Phillips says.

The additional student-athletes placed added pressure on facilities and staff. The current sports medicine center opened in 1995 when the university offered six sports. Today, there are 20.

The remodeled center will open this spring. "It's a total redesign of the room so we can treat more athletes more efficiently," Phillips says. The new RAI sports medicine intern will help care for the growing number of athletes, and the scholarship will help Embry-Riddle continue to recruit top talent for its softball program.

"It's been the classic win-win relationship for both Embry-Riddle and Radiology Associates over the years," Phillips says. "We've been able to offset some of our costs and expenses, and we've been able to bring additional business to a great trusted partner in the community."

At the heart of the RAI partnership is a shared concern for the health, wellness and overall success of student-athletes.

"It gives the families a sense of comfort and confidence that their child is being provided with a full service of coordinated care to keep them safe and healthy, while remaining active in their sport. As members of the community, we take pride in our contribution to the success of the university and its students," Adams says.

► A WINNING TEAM

The Daytona Beach Campus' Softball team advanced to the Division II national tournament in 2018 — the first year the school was eligible to compete in NCAA post-season competition.



A HELPING HAND

PARENTS FUND SCHOLARSHIP OPENS DOORS TO OPPORTUNITY

BY MELANIE STAWICKI AZAM

Danielle Jamieson was excited to study Arabic in Morocco, with help from an Embry-Riddle Parents Fund Scholarship. When the coronavirus pandemic derailed her study abroad plans, she developed a Plan B — and the scholarship still helped her advance her educational goals.

"I was granted money from Embry-Riddle's Parents Fund to partially fund my summer 2020 study abroad trip for Arabic courses in Morocco," says Jamieson, a global security and intelligence studies major. "Unfortunately, study abroad programs for summer 2020 ended up being cancelled due to COVID-19."

Not one to give up on an educational opportunity, she switched gears and applied the scholarship toward an online macroeconomics course offered through the Worldwide Campus. "Taking the summer course allowed me to get ahead in my credits, which is helping me to complete my double minor of Arabic and Middle Eastern studies and aviation business administration," says Jamieson, who is a campus ambassador for the Prescott Campus' Admissions office.

HELPING STUDENTS IN NEED

"Paying for a summer course is not something I would have been able to do on my own financially, so having the money from the Parents Fund helped me out tremendously," Jamieson says.

The fund has been such a success, because it's essentially parents helping parents, says Marie Clifford, director of impact reporting at Embry-Riddle.

"Parents have first-hand knowledge of the costs associated with helping their children achieve their dreams," she says. "The Parents Fund is a way for them to support each other in this effort. It also empowers families with greater means to help those with less."

Margaret and Charles Schneible, whose son Gavin is a recent graduate from the Daytona Beach Campus, would agree. "Nothing should hinder a student's achievements," Margaret says. "Embry-Riddle has what it takes to offer open doors, skies and space to willing, hardworking students and, with help from donors, the university can continue to make this happen."

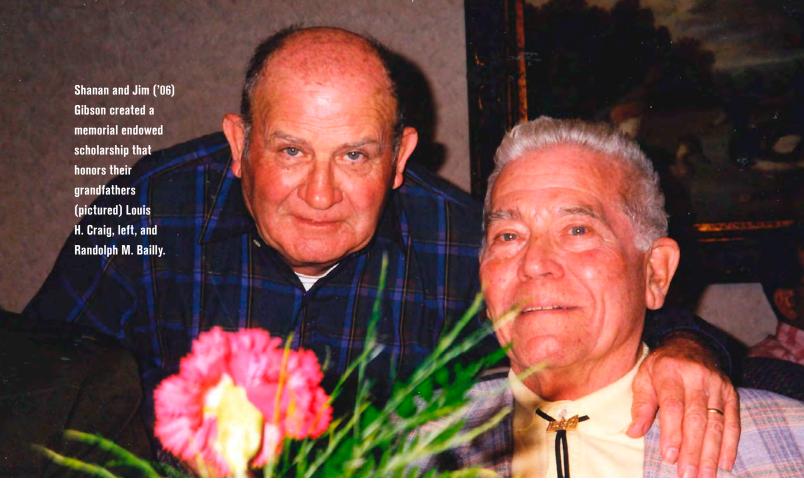
OPENING DOORS TO THE FUTURE

For Bryce Scripter, another student getting help from the Parents Fund, the scholarship is a key to the future.

"As the child of a single parent, I am putting myself through school," he says. "This scholarship will help support me through my final times at Embry-Riddle and allow me to begin my dream of living as a professional pilot."

► IMPACT

Since 2006, more than 750 donors have supported 25 financial need-based Parents Fund Scholarships, with gifts totaling over \$105,000.



ON THE RIGHT PATH

NAMED FOR BELOVED GRANDFATHERS, SHANAN AND JIM GIBSON'S SCHOLARSHIP HELPS TOMORROW'S LEADERS FIND THEIR WAY

BY TRISTYN BEMIS ('20)

Shanan Gibson, Ph.D., Dean of Embry-Riddle's O'Maley College of Business, knew even before she became an educator how impactful a scholarship could be on a student's life. The product of a working-class family, she benefited from a scholarship during her first year of college.

"I had been working since I was 13 years old, and if you had asked me, I probably would have just kept on working because I saw the value in the work," Shanan says. "But I also knew, at that time at least, that I wanted to be a nurse. ... So that scholarship was really the great enabler for that."

She adds, "And did it change my life? Yes. Because I went to school. I completely changed direction on where I was going."

And that direction eventually pointed toward education. Following the path made possible by her scholarship led Shanan into a career as an educator and administrator at various institutions. Along the way, she and her husband, Jim Gibson ('06), Ph.D., who is now an assistant professor of engineering management for Embry-Riddle's Worldwide Campus, made a decision to give back at each institution where she worked — through the life-changing power of scholarships.

A GIVING TRADITION

Keeping with this tradition, the couple established the Lewis H. Craig and Randolph M. Bailly Memorial Endowed Scholarship. Named in honor of the Gibsons' grandfathers, who were major influences on both of their lives, the scholarship aims to help meritorious students with financial need. Preference is also given for students who possess an entrepreneurial mindset and/or are veterans/active duty military.

The scholarship award criteria reflect the life paths of its donors: Shanan's career in business education and Jim's 20-year career in the Marine Corps.

"I HOPE EVERY STUDENT WHO HAS EVER RECEIVED OUR SCHOLARSHIP IS RIDICULOUSLY SUCCESSFUL."

SHANAN GIBSON, PH.D.

They also honor the legacies of Craig and Bailly, who were both veterans, involved in civic organizations and exhibited an entrepreneurial drive and work ethic, according to the Gibsons.

While their endowed fund matures, Shanan and Jim have graciously gifted a term scholarship to provide an immediate benefit for students. The hope is that this scholarship will propel students with potential into successful careers, and that someday they will be able to give back themselves, Shanan says.

The Gibsons also understand the importance of supporting the O'Maley College of Business. University Trustee David B. O'Maley, for whom the college is named, has set a great example for others in that regard, Shanan says.

"He sees something about us that he knows is special," she adds. "And I think he sees something that is similar to what I saw when I looked here, and that is an opportunity to launch this college into the biggest names of business schools."

The Gibsons hope their scholarship might encourage other new donors to support the university, as well.

"Some people worry that they can only make smaller gifts. But five hundred dollars can be a lot of money to a student," Jim says. "But to alumni, if you spread that out over the course of an entire year ... you are talking about cups of coffee that you get everyday going to work."

In time, small acts of giving can add up to establish an alumni endowed scholarship at the College of Business, Shanan says. Until then, the Gibsons say their gift will help build the leaders of tomorrow.

"I hope every student who has ever received our scholarship is ridiculously successful," Shanan says. "I hope their life is a little bit easier and that they remember this when it is time to give back themselves."

► IMPACT

A total of 15 new memorial scholarships were created and \$322,402 in memorial scholarship awards were made to students in fiscal year 2020.



THE WIND BENEATH HIS WINGS

STUDENT KEEPS FLYING THANKS TO WINGS CLUB SCHOLARSHIP

BY MELANIE STAWICKI AZAM

Douglas Niemela has worked summers doing everything from logging in Alaska

to working construction in Arizona and Montana to pursue his dream to become a pilot.

"I am a person who knows what it is like to bust concrete with a sledgehammer for 16 hours straight and tear shingles off a barn roof in a Montana snowstorm," says Niemela, an aeronautical science student at Embry-Riddle's Prescott Campus in Arizona.

The first-generation college student says it's been hard self-funding his education and flight training, but he is determined to achieve his goal. "I am a person who is going to be a pilot and nothing will stand in my way," says Niemela, who is also a member of the campus's Golden Eagles Flight Team. Still, he was worried he would have to take a break from flight training to work, until he found out he was awarded the Wings Club Scholarship.

"I honestly could not believe it when I first was notified of the award. I can't even explain the tremendous feeling of having such a burden lifted off of my shoulders," Niemela says. "This will allow me to complete my training and hopefully get a job instructing for the school."

PARTNERS IN AVIATION

The Wings Club Foundation and the university have a long history of partnership that dates back to 2002. "The Wings Club Foundation and Embry-Riddle Aeronautical University share a common goal to support the next generation of aviation leaders, and education

plays a critical role in the competitive aerospace workforce," says Thomas Fitzsimmons, executive director of The Wings Club Foundation. "The Wings Club scholarship programs support students pursuing a career in aviation and help create a lifetime of opportunities for these promising scholars."

Traditionally, each fall, The Wings Club honors the scholarship recipients at a black-tie gala in New York City. There, the scholars are introduced to the club's members, who have historically included astronauts, inventors, military leaders and aviators, and airline and business aviation executives.

"Wings Club Scholarships support our students in achieving their academic goals and introduce them to a legendary society of aviation leaders," says Embry-Riddle President P. Barry Butler, who is a member of The Wings Club Board of Governors. "Thanks to the generosity of The Wings Club Foundation, our scholarship winners gain an early welcome into the ranks of aviation, aeronautics and astronautics innovators."

Niemela says he's grateful for what the scholarship is allowing him to achieve. "Becoming a pilot was the best decision I ever made, and I love every second of it," he says.

► IMPACT

Since 2002, The Wings Club Foundation has contributed \$419,000, funding 32 individual scholarships.



AVIATION LEGACIES

SCHOLARSHIPS SUPPORT ASPIRING PILOTS

BY MELANIE STAWICKI AZAM

For Embry-Riddle student Anna Scott, receiving the Tom Davis/Piedmont Airlines Endowed Scholarship was especially meaningful, considering her family's aviation history.

"My grandparents worked closely with Tom Davis at Piedmont Airlines: my grandmother was a Piedmont flight attendant, and at one time my grandfather was the chief pilot for the company," says Scott, a third-generation pilot, who received the scholarship her junior and senior year. "It is eye-opening knowing that connection is there and makes me understand and appreciate how impactful aviation legacies can be."

The family of Piedmont Airlines founder Tom Davis created two scholarships at Embry-Riddle that they named in honor of Davis, who passed away in 1999. The Tom Davis/Piedmont Airlines Presidential Endowed Scholarship is available for full-time undergraduate students with financial need, and the Tom Davis Memorial Flight Training Scholarship specifically assists students with the cost of flight training.

A commercial aviation pioneer, Davis was known for his innovation, commitment to his employees and generosity. Therefore, Pierce says it is fitting that his family's foundation focuses on giving young people an opportunity to fly or to be exposed to aviation.

"The Tom Davis scholarships are excellent examples of the positive impact that industry leaders can have on our students' lives and careers," says Alan Stolzer, dean of the College of Aviation at Embry-Riddle's Daytona Beach Campus. "Nicholas Pierce understands well the contribution these scholarships have on our student selectees, but also on the aviation industry, which richly benefits from these awards."

SUPPORTING FUTURE PILOTS

The Tom Davis scholarships have helped Embry-Riddle senior Matthew Fryling finance his flight training, which was costly. From Charlotte, North Carolina, Fryling received the Tom Davis Memorial Flight Scholarship his sophomore year and the Tom Davis/Piedmont Airlines Endowed Scholarship his junior year.

"It took the worry out of training and allowed me to enjoy it more," he says. "It really helped a lot."

Like Scott, his family also has an aviation history with Piedmont Airlines. His uncle, who was chief pilot for Caterpillar, flew for Piedmont.

"It is extremely special, just knowing the connection my family has to Piedmont — and I am from North Carolina," says Fryling. "To have the connection come full circle, I feel extremely lucky."



TOM DAVIS AND PIEDMONT AIRLINES

Growing up in Winston-Salem, North Carolina, Davis was "one of those kids that was always looking at the sky and was fascinated with airplanes or flying machines, as they called them [then]," says Nicholas Pierce, who is Davis' grandson and a commercial pilot.

As a boy, Davis met Charles Lindbergh when he visited his hometown in the late 1920s, which further sparked his interest. Davis flew his first solo flight at age 16 in a Taylor E-2 Cub.

After briefly studying pre-medicine at the University of Arizona, Davis moved back to Winston-Salem, where he sold Piper and Stinson airplanes and gave flight lessons at the Camel City Flying Service. In 1940, he became the company's principal stockholder and renamed it Piedmont Aviation Inc. It later expanded, selling more planes and training military pilots.

In 1947, Davis formed Piedmont Airlines, a regional airline that began offering commercial flights in 1948. When Piedmont was acquired by USAir Group in 1987, it was one the country's most profitable airlines with more than 21,000 employees. US Airways merged with American Airlines in 2013.

Davis continued to fly up until a year before his death at age 81, including piloting his original Taylor E-2, which he restored. In 1984, he received the Daniel Guggenheim Medal for his achievement in aeronautics.

PHILANTHROPY IMPACT REPORT

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