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Embry-Riddle Aeronautical University

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Former E-RAU Student Retraces Lindbergh’s Solo Flight Across The Atlantic

By Félix A. Caster

David R. Gray, 28, former E-RAU student, landed a Piper Cherokee Lancer at Daytona Beach Regional Airport May 18. He stopped here to visit E-RAU for a while before continuing a flight to Long Island, N.Y. Gray was received here by E-RAU students and local news media representatives including one from THE AVION, who announced his intended solo flight across the Atlantic Ocean resembling Charles Lindbergh’s solo flight 52 years ago this past May 20–21. The difference is that Gray is flying a larger and faster airplane with radio communication and navigation equipment, which are not available to the Lindbergh flight during his flight.

To accomplish this flight, Long Island to Le Bourget, Paris, Gray used the Piper Cherokee Lancer with additional seats installed inside the passenger cabin in order to get a total of 283 gallons. At a speed of about 140 knots, an altitude of 10,000 feet and 10.9 gallons per hour, this means an autonomy of 24 hours from which 20 to 25 hours are estimated to make the non-stop flight.

Gray is at present working for Ulithi Air Company in Labuan, Indonesia, which has an international airport delivery service, and he is planning to come back to E-RAU this fall in order to get his last seven credit hours to obtain his Bachelor of Science degree in Aeronautical Science.

E-RAU Organizes Aviation Research Collection

The E-RAU Research Collection Library was formally dedicated recently here.

The new collection is one of the most comprehensive aviation literature displays in existence. Many rare and valuable documents ranging from early 13th century essays on balloon flight to current NASA laboratory reports are part of the collection. Numerous foreign works are also included.

Some samples are a complete collection of L’Aeromètre, a French ballooning periodical published from 1846 to 1911, containing the firm’s century; repair and maintenance manuals for Curtiss OX-5 Aeronautical Engines; a brochure on the DC-3, produced by the Douglas Aircraft Company in the mid-1930s; a 1947 Beech Aircraft Company sales flip chart describing in detail different Beech Design: Alan B. Shepard, Jr., on the Moon for the cover of Aviation Quarterly’s bicentennial edition; and complete collections of many leading aviation and aerospace magazines, both U.S. and foreign.

The Research Collection has been under development for several years. After slow initial growth, it was greatly expanded when the Manufacturers Aircraft Association (MAA) donated its vast library to the University. Under the direction of MAA General Manager F. M. Mount, more than 10,000 volumes and numerous memorabilia were turned over to Roger-Schiller’s Gill Robb Wilson Memorial Flight Center Library facility. The MAA contribution became the core of the University’s Research Collection, with many other documents from a variety of sources included.

When the MAA held the works, they were primarily working documents used to support MAA member activities. Patent searches, crashed aircraft reviews and engineering and specification research were routinely conducted, using the organization’s library resources. The Collection might be available for further applications in the near future. As soon as possible, the University intends to open the entire display to the aviation community.

According to Judy Lather, E-RAU’s Media Service director, proceedings for general access to the Research Collection will be announced as soon as all the publications are reorganized and reclassified.

Soaring Record Set

SANTA MONICA, CA, May 16, 1977 – For the second time in soaring history, Karl Streeck, an air National Guard pilot from Fort Meade, Pennsylvania, has exceeded 1000 miles in an out-and-return distance flight. The 1013-mile flight, made on May 15, 1977, replaces his current claim for the world and national soaring records set in 1975, which still stand pending due to a disputed case.

Flying a Schleicher AS-21 sailplane, Streeck took off from his home at Eagle Field, near Port Meade, Pennsylvania, at 6:52 a.m., flying north to Piper Memorial Airport at Lock Haven to make his official start at 6:07 a.m. Astrod by a quartering tail-wind, Streeck averaged a ground speed of 130 mph on the first portion of the flight, including a 15,600 foot, which flew in reverse at an average 180 mph. He reached his turning point near Oak Ridge, Tennessee, at 12:45 a.m. and had to fight a benthos on a return leg of the flight. Streeck arrived back at Lock Haven, Pennsylvania, at 8:10 p.m., after a 24 hour and 18 minute flight.

This is Streeck’s seventeenth bid for world out-and-return distances, having previously set six flights of 474, 569, 636, 683, and 807 miles.

DISTANCE WINNER – 1015 miles – without an engine! Karl Streeck, of Fort Meade, PA, flying the Allegheny ridge on his world soaring record claim flight. Field flown from Lock Haven, PA, to Oak Ridge, Tenn. and return in 14 hours and 18 minutes on May 19. (Photo courtesy of soaring Society of America, Inc.)
Opinions

By Ray D. Kate
AVION Editor

Summer is obviously here; Nichols is doing nothing! There are exceptions, a few of the organizations on campus have held activities. But you wouldn't know it to read this week's issue of the AVION. The Scuba Club has been down, and Quad-a has been active - the rest of the organizations either are all dead or their press have run out of ink. You all know when the deadlines are.

It is a mark of this school's ability that the organizations that are given a free chance to publicize their activities just let this opportunity slip by. I can't believe that all these organizations have all the members they need or want. So, here's what we don't hear from them. It's the same story when it comes to the Council of Campus Organizations (CCO). The CCO can't even get enough members for a quorum.

On the same note, all I've heard is a little grumbling and a few rumors about what happened in the Flight Team. The most substantial of these is that President Hunt shut off the funds for the trip to the national competition about two weeks before, they were supposed to go. With all the interest shown by the members, President Hunt was probably justified. I find it hard to understand how TV-RAU being a school of aviation can't show more interest in their flight team.

We don't have a big flight collegiate football team, but we did have a Flight Team. No much for Emyb-Riddle and school spirit!

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Letters to the Editor

Dear Editor:

I read with amusement (front page TA, Wed., May 18) that Randi, Emyb-Riddle's second guest performer and speaker is a self-described "contrarian", which is according to The New Merriam-Webster Dictionary, second description, "one who attacks cherished beliefs or institutions".

I thought Emyb-Riddle Aeronautical University had an institution of higher learning.

Also, some of that "all time religion" could be a cathartic to those who may be suffering catharsis of the soul.

Winner Brown Builders
231 Landmark Place
Port Orange, Florida 32190

RESPONSE TO LETTER TO EDITOR ON CT-209 COSTS

It's strange the way numbers can be used and misused to prove a point. A case is hand the tax was originally devised in a similar vein which, considering the number of students tentatively to be enrolled in CT courses, would pay for the expenses of having a computer that is valuable, "brand-name", to those CT students. No right limitation of use - time has ever been enforced. A case in point is that students used more than 35 hours (one hour 43 hours).

Regarding why we use a nominal allocation of 35 hours a real reason; we could just as easily use 25 or 30 or 40. Up to this point, at least, the primary use of the 35 hour allotment was to give visibility to exceptional students. Exceptional because they are active and using the system, or exceptional because they cannot control the computer and block the resources to others' use.

Thus, the $35 lab fee was designed for, and is needed for paying for the computer's basic availability. It makes no sense to try to restrict either the lab fee or the time availability, at this point.

As far as statistics, the average student used 33.05 hours for the Spring term. It was expected that time availability is the same as quoted in the letter to the editor. This compares to $2.58 per hour. Price good, compared to approximately $35 per hour using typical commercial facilities.

Signed:
Edward E. Johnson, Director Computer Center

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President's Corner

John O'Neal
SGA President

I will start by putting my office hours this week: Monday - Friday 9 a.m. - 10:15 a.m. and 2:30 - 3:00 p.m. This is the "A" term.

The SGA has been a good source with the performance by the Amazing Randi. We will be holding one seminar every other week with the next one being on June 24th. We also plan to have an "A" term and an "A" term.

We're in the need for some juries. We also have a long week-end coming up to everyone. There is a good week-end. It is kind of bad for me to think, I just had a hard test and I am hurted.

Upon Request

VP Thoughts

By Dave Fraser
SGA Vice President

We have had our first Senate meeting last month and seem to be organizing for the summer. It was the general consensus of the Senate that we operate with the adequate number of Senators we have now, and it does not add any additional members. We also had a small additional meeting on Saturday morning encouraging some more.

I also attended the CCO meeting last Thursday and for the third straight meeting we did not have a quorum. This hurts the existing organizations very much and I think it says a lot for the clubs that don't show up.

Oh! Is That What It Was...
Aviation Sorority Forming Here

E-RAU has scored another one in trend new area, Alpha Epillon (AE), pending SGA approval.

At 9:30 p.m. with an enrollment of 3,500 students, the founding of a sorority was announced.

At 9:30 p.m., a sorority can be considered a near reality, and may take up only four percent of the population.

Although the University has found its students interested in a wide variety of social activities, its leadership decided to do something to provide the unique personality.

Everyone at the University decided to work on the problem that students are interested in to provide the unique personality.

It was up until recently, we left to choose from specialized activities outside the classroom.

Because of that, the Alpha Epillon did not spring up in full bloom. The internship grew slowly with a lot of determination on the part of the coeds.

Early last fall, several of the girls recognized the need for a group that would schedule and attend the meetings of the women students. The large turnout (50) some indicated strong interest in forming a sorority on campus.

Following that meeting, the group decided to form the E-RAU international student association.

With their advice and counsel, a group decided a sorority constitution, complete.

Nationalized singer and pupil Alicia Olsen opens here on June 15 for a one-night performance in the Pub Area of Embry-Riddle Aeronautical University. The two-hour concert, from 8:15 p.m. will include many original pieces written or composition.

The Daniels, dark-eyed 25-year-old first came to the U.S. from Cuba when the country cba her father owned there was confiscated in Castro's takeover and they were forced from their family home.

Alicia first ventured into the entertainment field just after her family was sent to Cuba by their friends. Alicia's earliest memory of her performance is still vivid in her memory.

Alicia and her manager Pamela Dunn travel throughout the country as she performs in theaters, clubs, music halls, and camps. Alicia's earliest memory of her performance is still vivid in her mind. She is a singer song writer whose original material balances both her electric con style and the emotional strength and clarity of her sensitivity. Remember to see Alicia at E-RAU's Pub Area on June 15 from 8:15 p.m.

written on sunday

By Ignacio Pena, Jr.

British couple who face difficulties in their intimacy seemed to have found a solution to their problem. After attending a seminar at The Sunday Times, London, the National Marriage Guidance Council is setting up sex schools for couples who are worried about their love life.

Although not one of the world's largest airlines, TAP (Portugal's state airline) is the world's safest. The information comes in a late issue of the National Observer and says that the airline has not had a single accident for 25 years without any fatalities. It is listed number one of 28 major airlines in the world's safety record.

The Westland Company's four T-14s for flights within Britain. These are also used during the summer months to provide a service to the people who are interested in the scenery and wildlife of the area.

"Few people would think that a big strong man like Michael Jordan is not a good swimmer. This is not the case. He is a good swimmer and he can swim anything. However, he is not a fearless hero as he is considered in

Daedalian Safety Award

Capt. Greg K. Donald, a United Airlines pilot based at Washington, D.C., has been selected for the 1976 Civilian Air Safety Award of the Order of Daedalians. Presentation of the award will be made at the annual meeting in London in September.

Donald, a United pilot since 1966, was selected for his outstanding aviation record. His performance on February 9, 1976, when the Boeing 727 he was flying was countered by a potentially disastrous emergency shortly before takeoff from Baltimore-Washington International Airport.

"At a critical point of a circling maneuver, the aircraft's altitude and speed dropped rapidly to indicate an impending emergency and a takeoff with Donald at the controls," the diaries of the Daedalians say.
stressful until it again achieved the correct altitude, the airfoil surfaces.

If the angle of attack of a stall is recognized, the stall aircraft must be slowed down, and the aircraft must be accelerated to its maximum speed before any corrective action can be taken. If the angle of attack is greater than the stall angle, the aircraft will stall and enter a critical or dangerous attitude.

The factors that influence the proper recovery of a stall are:

- The severity of the stall, which is determined by the angle of attack at which the stall occurs.
- The altitude of the aircraft when the stall occurs.
- The speed of the aircraft when the stall occurs.
- The weight of the aircraft when the stall occurs.
- The configuration of the aircraft when the stall occurs.

It is important to note that if a stall occurs, the pilot must take immediate action to prevent the aircraft from entering a critical or dangerous attitude. This may involve reducing the angle of attack, increasing the airspeed, or performing a forced landing.

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Penicillin Holding its Own

Penicillin, a naturally occurring antibiotic, has been a major breakthrough in the treatment of bacterial infections. It was discovered in 1928 by British scientist Alexander Fleming. Since then, Penicillin has saved millions of lives and has been instrumental in the development of modern medicine.

Penicillin is derived from the mold Penicillium notatum, which was isolated by Fleming. The mold produces a natural antibiotic, penicillin, which is effective against many strains of bacteria. The discovery of Penicillin marked the beginning of the antibiotic era, and it has saved countless lives since its discovery.

Penicillin is effective against a wide range of bacterial infections, including pneumonia, strep throat, and skin infections. It is usually prescribed in the form of capsules, tablets, or injections.

In recent years, however, the resistance of some bacteria to penicillin has become a serious concern. This has led to the development of new antibiotics, which are more effective against penicillin-resistant strains.

Despite these challenges, penicillin remains an important drug in the treatment of bacterial infections. It is widely available and affordable, and it has saved countless lives since its discovery.

Penicillin is just one example of the many breakthroughs in medicine that have been made possible by scientific research and innovation. The development of new antibiotics is a critical area of research, and it is important that we continue to invest in this field to ensure that we have effective treatments for the many bacterial infections that are spreading around the world.
Lifetime Aviator Shares Historic Experiences

He was the first to process film, an idea he had. He saw the need for a clear, accurate photograph, and he became an aviator, a photojournalist, and wrote. He used a windsheild camera, which he designed. His contributions helped change the field of photography.

After WWII, Goddard directed the development of the first commercial photo lab in Germany. His work was featured in a book, "Goddard: A Life in Science". The book provides an overview of his life and work, highlighting his contributions to the field of photography.

On September 20, 1923, the Onslow-Lincoln Goddard made the first aerial photograph ever taken over the city of New York. The event was televised live, and the footage was aired on NBC radio. The event was covered by the New York Times, The New York World, and The New York Daily News.

In 2018, the Onslow-Lincoln Goddard was honored posthumously with the National Geographic Society's Lifetime Achievement Award. The event was attended by family members, friends, and colleagues.


Cutoff Date For Rooms Given

The end of May for securing your room in the University Housing for Fall and Spring semester is May 25. If you have not been assigned a room by the end of May, you will be placed on a waitlist. If you are unable to secure a room due to being overbooked, please contact the Housing Office as soon as possible.

Space Technology May Lead To Early Breast Cancer Detection

The use of technology in the detection of breast cancer has been a major focus in recent years. The development of new technologies, such as magnetic resonance imaging (MRI) and computerized tomography (CT), has revolutionized the diagnosis and treatment of breast cancer.

In recent years, researchers have been exploring the use of space technology to detect breast cancer. The idea is to use the unique properties of the human body to detect early signs of the disease. This technology has the potential to detect breast cancer at an earlier stage, improving treatment outcomes.

Some of the technologies being explored include:

1. **Microwave Imaging**
   - Technique that can detect small changes in the breast tissue that are not visible on mammograms.
   - Potential to detect breast cancer at an earlier stage.

2. **Magnetic Resonance Imaging (MRI)**
   - Technology that can create detailed images of the breast tissue.
   - Effective in detecting tumors that are not visible on mammograms.

3. **Thermography**
   - Technique that can detect changes in temperature on the skin surface.
   - Can be used to detect early signs of breast cancer.

4. **Optical Imaging**
   - Technology that can detect changes in the blood flow in the breast tissue.
   - Potential to detect breast cancer at an earlier stage.

5. **Ultrasound Imaging**
   - Technique that can create images of the breast tissue.
   - Effective in detecting tumors that are not visible on mammograms.

These technologies have the potential to improve the early detection of breast cancer, leading to better treatment outcomes. However, more research is needed to fully understand the effectiveness and limitations of these technologies.

The ultimate goal is to develop a comprehensive approach that combines the strengths of existing and emerging technologies, leading to earlier detection and improved treatment outcomes for breast cancer patients.