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Embry-Riddle Aeronautical Institute

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EMBRY-RIDDLE



VOLUME II NO. 7

APRIL 14, 1961

FIVE CENTS

OUR FIRST BACHELORS OF SCIENCE GRADUATE

The graduation program for the graduates (A. S. and B. S.) of the Engineering Division of Embry-Riddle will be held Thursday, April 20, 1961, at 8:00 P.M. The program will be held at the Coral Gables Congregational Church, 3010 DeSoto Blvd. in the Moya Chapel. The church is located directly in front of the Veterans Hospital (the old Biltmore Hotel).

This is the first graduation program put on by Embry-Riddle for its B.S. Degree graduates. Those receiving the B.S. Degree in aeronautical engineering are: Julius Bauer, Penny Chambers, Leonard Curry, Bernard Halprin, Joseph Hill, Leandro Montano, Thomas Newsome, Leo Normoyle, Samuel Roose, Lawrence Russell, Herbert Sanders, Frank Winters and Bohuslav Wrzesniewski. Thomas Newsome will also receive a B.S. Degree in aircraft maintenance. A.S. Degrees in aeronautical engineering technology will be conferred upon Robert Amar, George Azzan, John Bateman, Edward Hauser, Walter Karschel, Thomas Langley, Michael Mawaysir and Coleman Stewart. The A.S. degree in aircraft maintenance will also be presented to Michael Mawaysir.

The program will feature and address entitled "Technology Engineering and Science" given by Dr. Alfred P. Mills, President-Elect of the Florida Academy of Sciences and Director of the Radiosotopes Laboratory at the University of Miami. Following the address the degrees will be conferred by Mrs. McKay President of Embry-Riddle and presented by Mr. Clafflin head of the engineering division.

Benediction will be given by the Reverend Cole and following the recessional a reception will be given on the church patio. The program is under the direction of Mr. Ray Leunis and is open to all members of the Embry-Riddle Aeronautical Institute and their friends.

- Don Corbin

FROM THE OFFICE OF THE DIRECTOR OF THE ENGINEERING DIVISION: OPPORTUNITY FOR MASTERS DEGREE AFTER RECEIVING A.B.S. AT EMBRY-RIDDLE

The acceptance of the BS in aeronautical engineering program at Embry-Riddle is the fact that an honor BS graduate from Embry-Riddle can get his Masters Degree in aeronautical engineering from one of the top graduate schools in the country. Leading what we can expect will be a general acceptance, a letter from the University of Michigan states:

"An honor graduate of the B.S. degree course at the Embry-Riddle Institute would be eligible for admission to the Graduate School of the University of Michigan if he would spend at least one and possibly two semesters as a special student in our undergraduate College of Engineering to make up certain deficiencies in his preparation. In the additional work, he would be required to obtain grades of not less than B.

Upon transfer to the Graduate School, he should be able to complete the requirements for the M.S.E. degree in Aeronautical and Astronautical Engineering in two semesters."

While it is true that this refers to an honor student, it does not seem logical that any but an honor student would be wise in going on for advanced degrees after receiving his BS at Embry Riddle. This should also indicate the importance of making good grades at Embry-Riddle. This means with this concentrated year round course of study at Embry-Riddle and the 3 (or 4) additional semesters at a school such as the University of Michigan, a student could earn his Masters Degree in four years or slightly over. Actually, with the increasing emphasis on graduate study, it appears that an honor student will find the path to graduate study (from the Embry-Riddle BS program).

Before deciding to go into the BS program here at Embry-Riddle, we made a survey of the leading engineering schools in the country that teach Aeronautical
(Contd. on pg2-Col. 2)

Editor Jim Taylor
 Technical Editor John Colucci
 Bill Knapp
 Don Corbin
 Reporters Gary Ruppert
 Jim Brick
 Business Manager Jim Brick
 Faculty Advisor Mr. Breese
 Price05
 Ads 50¢ / in.

SIGMA PHI DELTA

This Tuesday was Phi Delta's 37th birthday. Pi Chapter celebrated the event by having a banquet at the Edith and Fritz Restaurant on Miami Avenue.

This Sunday Pi Chapter is having a combined Picnic and baseball game with Alpha Eta Rho fraternity at Crandon Park. The festivities are scheduled to get under way at 2:00 P.M. at the baseball diamond. Friends and guests are invited.

* * * * *

IS MIAMI BEING INVADED BY BEINGS FROM ANOTHER WORLD

Tuesday, Mar. 14th, between 9:00 and 12:00 P.M., an unidentified flying was seen hovering Miami International Airport. Many Miami residents, including several newspaper men saw the object. It resembled a beam of light shining against a cloud. It seemed to glow very brightly and then get very dim and then glow brightly again.

There were many different opinions, concerning the object, voiced at the time. Some of them were: a publicity stunt, an experimental military aircraft, a natural phenomena caused by the thousands of radio waves around the airport.

Whatever the object was, it seems to have authorities puzzled at the moment. I believe, although, that in the near future, there will be a logical explanation discovered concerning the U. F. O.

-- Richards

* * * * *

FROM THE OFFICE...

Engineering and found that, while most would accept credits from Embry-Riddle, it would still take 2 to 3 years to get a BS. This acceptance from the University of Michigan (and we have indications other graduate schools will do the same) indicates that by taking the two additional semesters (making a total of 8 semesters with 141 semester hours of credit) for the BS at Embry-Riddle, a graduate can earn his Masters Degree with only 3 or 4 additional semesters. This makes a total elapsed time of 4 years or slightly over for the Masters Degree.

--R. M. Claflin

Verna says: "Our chile is the best in town. Ask Ed Hauser."

P O R T E R ' S

G R I L L

BY THE "MOUSE"

Well, friends this has been a dull two weeks, as far as news goes. Even our friend, John K. has not developed any new epics. The Fort-liquordale kick has dissolved as the ranks of students head back to their mental prisons.

Actually, what everyone is doing is reserving their energy for that one day of rest we are about to be honored with. Or can it be the closing of a semester which put these wild libertives back to their obscure self.

Since I can't complain or write about anything I shall of course give a little review about myself, the little mouse. Don't get any ideas and start calling my column by "little Rat!" That would not only defeat my sarcastic attitude but would change my writing to censored and undemanding print. Don't be sarcastic and say good ridance. Before Before I go into another tangent, I better tell a little of myself the little mouse of course. Well, it was a dull day when I was born, that calls for the enevitable effect of why I write about what I write about - in fact what am I writing about, I do wish somebody would tell me. Oh - to all those who are reading my column without paying for the paper in your hands - may you flunk your next test or hope you have a dull time until you buy our glorious Jet Stream! Just because I am getting 75% of all the sales that does not mean I want to sell the newspaper. Support your school-friends and don't be a dull Yo-Yo!

Arhtung! through the grapevine I just received from the latest secret service; can it be possible that students are imprinting answers on the blackboard in a maze of obscene drawings, if so, I would like to know the idea, maybe I won't flunk so many subjects then.

Well, I guess I didn't get too far on my life history so next time maybe I will write more.

--Little Mouse
Roving Reporter!

* * * * *

WHERE ARE THEY NOW

A former Embry-Riddle student was recently employed at Parkersburg Aetna Corp. He will be flying the company's Cessna 310.

* * * * *

The new Embry-Riddle catalogue and bulletin of information for 1961 and 1962 will soon be on the scene. Mrs. Barmore, via the printers shop, informs me this new and completely revised bulletin will roll off the presses within the next few weeks. Clause studios, located here in the Aviation Building, have been recently taking numerous photographs of students at work in the various shops and classrooms. These pictures together with those photographs taken at the airfield will be an important part of our new school bulletin.

One of the special features of this bulletin is that it gives considerable information on the new bachelor of science degree now offered here at Embry Riddle. Those students presently enrolled in engineering technology course, will find the curriculum leading to the bachelor of science degree to be somewhat different from their own. It is hoped by all that the new catalogue and bulletin of information will help boost our school prestige.

* * * * *

DID YOU KNOW?

Since 1939, our Embry-Riddle International School of Aviation has undergone a great metamorphosis, changing from an originally planned sanitarium hotel, to training Royal Air Force pilots during the war, to a remodeled school of aviation and office building with 250,000 square feet of floor space.

Joachim Frits originally planned our ten acre campus to accommodate a vast sanitarium hotel with sidewalks and large quantities of varied flowers throughout. Being built in "boom-time," the Aviation Building was from time to time used for light manufacturing and storage space.

After Embry-Riddle School of Aviation remodeled the building and were accommodating 450 students, including night classes, Isabel McKay requested, in 1956, state recognition and consideration of Embry-Riddle as an institution of education in the Greater Miami area. At that time, our School of Aviation was accommodating approximately 730 students, but was available to accept 1500 to 2000 students should the need arise.

I hope you find this information about our institution of higher learning as interesting as I discovered it to be. The history of a school often determines or helps to determine its reputation and prestige.

Dear Editor:

As a student of Embry-Riddle, I have recently heard much controversy about the "school spirit" issue. For example, some students have stated that they believe that it is not necessary for a school of this type to have school spirit. Others feel that Embry-Riddle should have it or does have it but most of these students have the "what can I do about it" attitude. Still others think that the whole issue is ridiculous and not worth talking about.

In answer to the first belief may it be stated that every school, college, and university has school spirit, no matter what type or kind of school it is. School spirit is not solely for backing up a football team or other athletic squads. It goes deeper into the school. It backs up clubs, organizations, yearbook and newspaper committees, and other school functions.

As to the second belief and the "what can I do about it" attitude, the answer is "plenty". You can participate in school dances, clubs of your choice, little get-togethers, fraternity organizations, and other school activities. If you join a club or participate in anything, be loyal to it. If it has meetings every week, be sure to attend them. Don't join a club and then forget all about it in a few days or weeks.

As to the third belief, the only thing that can be said to students that harbor this belief is that one should feel sorry for them. They may be students here but they are just riding along on the work of other students. They are the ones who complain when something goes wrong and yet won't do anything about it. These students are the ones who laugh at the well meaning, hard working students who are doing something for the good of the school.

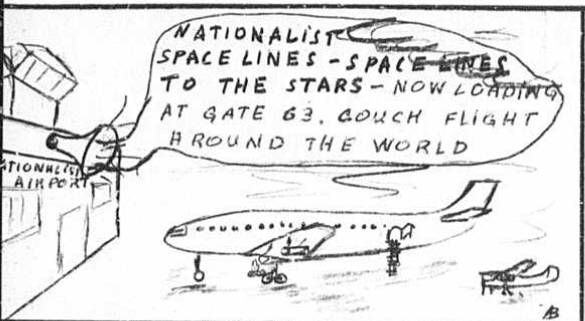
School spirit is in abundance at Embry-Riddle. It has always been there and it always will be. It only needs to be brought out and used as it should be, for the good of Embry-Riddle.

WE APPRECIATE YOUR BUSINESS

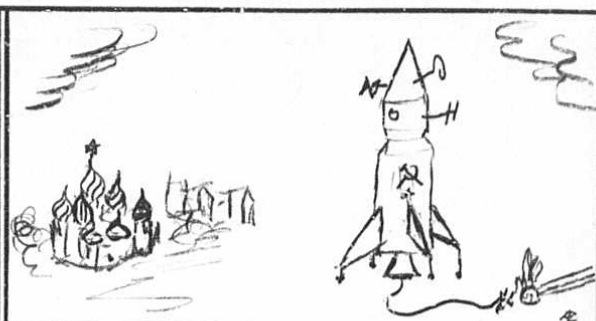
SAL'S BARBER SHOP
Main Lobby, Aviation Bldg.

Sal says, --

"We could use more hair-cuts per week."



JS



By Alex W.

**BOEING DESIGNS TWIN
JETTACTICAL FIGHTER**

A supersonic twin jet tactical fighter featuring variable sweep wings will be proposed to the air force by the Boeing Aero-Space Division this fall. Boeing has been working on the design for two and one half years in anticipation of requirements for such a tactical aircraft useful in "BRUSH-FIRE" emergencies.

Boeing is one of several aircraft manufacturers preparing designs for an air force competition to select a supersonic, low level attack aircraft with intercontinental range. It is to have short take-off capability and be able to fly faster than Mach 2 at high altitudes and Mach 1.2 at sea level. Originally set for last spring, the competition is set to open in mid October.

Although configuration of the Boeing variable sweep aircraft is not final it probably will be a two-place, tandem set design slightly larger than present operational fighters. Two turbojet or turbofan engines in the 15,000 lb. thrust category will power the aircraft at a maximum speed in excess of Mach 2, with supersonic capability at both high and low altitude.

Boeing is also considering proposing a fixed-wing aircraft to meet this requirement.

The variable sweep wings will form a modified delta shape spanning 33 ft. for supersonic cruise and will span 67 ft. when brought forward for low speed flight. The wing arrangement will allow the fighter to operate effectively under short field conditions, Boeing claims.

MARVIN HILL... A&P graduate of December 16, '60 dropped in to tell us that he landed a wonderful job with Delta Airlines in New Orleans, La.

JAMES MASTRO... an A&P graduate of June 17, 1960 visited us in February while vacationing from his job at Pan Am Airlines in New York.

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Walter Matthew Kirschel

Wally was born on March 1, 1935 in Hitchener, Ontario. He served three years in the Royal Canadian Air Force, and received a Florida State equivalence diploma and entered Embry Riddle.

Wally has been pretty busy working for Hertz Rental Trucks, but he has somehow found time to play basket ball, work on the school paper during his fourth semester, and be a Student Council Representative during his third and fourth semester.

After getting his B.S., Wally hopes to go into flight testing analysis.

* * * * *

John Philip Bateman

John was born on December 10, 1932, in Greenport, Long Island, New York. He spent eight years in the U.S. Navy serving as an aircraft hydraulic systems specialist. While in the service, John received his High School Equivalence Diploma and entered Embry Riddle. Here at school his hobbies were skin diving, and collecting tropical fish. John is also a member of the Rifle Team and served on the school paper during his fifth semester. After graduating he would like to complete his B.S. and then become a Structure Analyst.

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"AMERICAN ROCKET SOCIETY"

On Friday night, March 17, the University of Miami chapter of the American Rocket Society held their meeting at the J. Neville McArthur Engineering Building on the main campus.

Guest speakers were Mr. Robert Glass and Mr. Fred Frederickson of Boeing Airplane Company. They spoke about what they are looking for in an engineer just out of college, how they fit you into a position that you are most suited for, and advancement opportunities at Boeing. It was noted that the average starting salary with Boeing is \$512 per month with a Bachelor of Science degree in engineering. Interesting films were shown about the Boeing 707, and the Minuteman and Bomarc Missiles.

The American Rocket Society Chapter at U. of M. has regular meetings every four weeks. They plan to have lectures, films, etc., about aeronautics and the space age.

At this last meeting Embry Riddle students accounted for nearly half of the total attendance and were encouraged to join the society at the U. of M. Chapter. Information regarding their next meeting will be posted on our bulletin board in the near future.

HOW TO TAKE A SHOWER-BATH IN EMBRY RIDDLE DORMS

1. Heat the bathroom. (A bathroom that is not piping hot is no good.)
2. Inquire if anybody is going to be using the bathroom for the next couple of hours. (All baths should be leisurely. If you take a tub bath, you can read, but be careful the red dye of the book cover doesn't slowly impregnate both thumbs.)
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7. Rinse, and step out on your old underwear, (except for mopping up the floor, you're done.)

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Mr. Breese, the faculty sponsor of Alpha Eta Rho Fraternity, attended the March 15th meeting of the organization at the home of Roy Ligget.

The two main topics of discussion during the business meeting were the forthcoming air show at New Smyrna Beach and the possibility of obtaining a fraternity house in the near future.

It was already known that some trophies would be awarded at the air show to those who entered in categories such as the youngest pilot to fly in and the person winning the spot-landing contest. Mr. Breese suggested that it would be worthwhile if one or more of the trophies could be won by some members of Alpha Eta Rho.

The idea of the fraternity obtaining a "frat" house had been brought up at past business meetings, but very little was accomplished on the idea.

Mr. Breese is very familiar with real estate in the Miami area due to his working in this field, as an avocation, for many years. He suggested an area in town where some prospective houses for this purpose might be found, and very generously offered us his services in an advisory capacity. The members thank Mr. Breese for taking time out from his busy schedule to attend the meeting. He has been and will be welcomed at any or all of the meetings that he can possibly attend.

E. R.'S FINEST TO LEAVE SOON!

Yes, sir, graduation time is once again drawing near. And in keeping with this time of year the Staff of Embry Riddle's Jetstream wishes to extend to those lucky guys about to graduate, our sincerest best wishes for a happy future and our heartiest congratulations on a job well done.

It was hoped that we would be able to present a personal interview of each of you, but due to time limitations this was impossible.

However, we did interview some of you and would like to present you, as well as all other students, with a small cross-section of:

THE EMBRY RIDDLE CLASS OF '61.

Thomas Wesley Langley - Validictorian
Tom was born in Orlando on June 11, 1936. After graduating from Bradford Senior High School, Bradford, Pennsylvania, he served four years (1954-58) in Uncle Sam's Air Force as a Hydraulic Specialist. After his discharge he entered Embry Riddle, where during the third through sixth semesters he taught Tri. as a student instructor. In the fourth semester, Tom was elected president of the Student Council. During the fifth semester, he acted as Editor of the Jetstream. Tom is also a charter member of Sigma Pi Delta Fraternity. During his third semester he was January's student of the month.

Mr. Langley, married and the father of a thirteen month old daughter, has this to say to those to follow, "Don't think fuzzy." Tom told us in closing, that his pet peeve is irresponsible people

* * * * *

Julius Michael Bauer, Jr., Magna Cum Laude.

Mr. Bauer was born on March 25, 1937 in Cleveland Ohio. Mike is a graduate of Miami Jackson High School. Here at Embry Riddle, Mike likes to play his guitar, is a member of the Alumni Association, teaches Aero one and two, also preliminary and detail designs.

Mike was chosen student of the month for December in his seventh semester. After graduation, Mr. Bauer will return to teach here at E. R.

* * * * *

Lawrence Allen Russel; Cum Laude
Born in Port Crane, New York, on September 11, 1940, Larry's home town is Bimington, New York. His interests were, Music, Math, Stamp Collecting and The Boy Scouts of America. In the Scouts, Larry achieved the post of Junior Assistant Scout Master, later in the Explorers he became Senior Crew Leader. Larry Gradu-

ated from Chenago Valley Junior and Senior High School. In school his sport baseball. It might be added that on the baseball team Larry played all positions except catcher.

Here at E.R. Mr. Russel has been a student instructor in Geometry and Calculus. He is also a member of the American Rocket Society. After leaving us, Larry hopes to go into either testing, or Engineering Research Administration.

Mr. Russel's favorite saying is "Do unto others as they should have done unto you." His pet peeve is Lousy drivers.

* * * * *

Bernard Raymond Halprin, Cum Laude

Bernie was born in Baltimore, Maryland, March 21, 1940. He graduated from Boca Ciega High School in St. Petersburg, Florida; he later attended Baltimore City College. Bernie's favorite sports are Football and LaCross.

Here at E. R. Bernie has been active in the C.S.O., a member of the Rifle Team and Representative to the Student Council for the eighth semester.

After leaving us Mr. Halprin plans to join the Marine Corps Flight program. His pet peeve is the lack of participation on the part of the students of Embry Riddle

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Edward J. Hauser

Ed was born in Cincinnati, Ohio, on April 25, 1938. He attended Miami Edison Senior High School, where his main interests were his '53 Chevy and basketball.

After graduating from Miami Edison, Ed attended the University of Miami for two and a half years, then entered Embry Riddle. When during his second through sixth semesters he was a member of the rifle team. In the fourth semester, Ed was elected Secretary-Treasurer of the Student Council. During the fifth to sixth semesters, Ed was Business Manager of the Sigma Pi Delta. Ed is also a member of the American Society of Automotive Engineers.

(Continued pg. 6 - Column 1)

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Six Sioux chiefs, visiting New York City and waiting for a luncheon table at the Hotel Roosevelt, were asked by the hostess, "Have you a reservation?" "Yup," said one. "In South Dakota."

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Internal Revenue man eyeing taxpayer's expense account: "Shall we go over it item by item, or would you prefer to chicken out right now?"

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