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Avion 1978-06-07

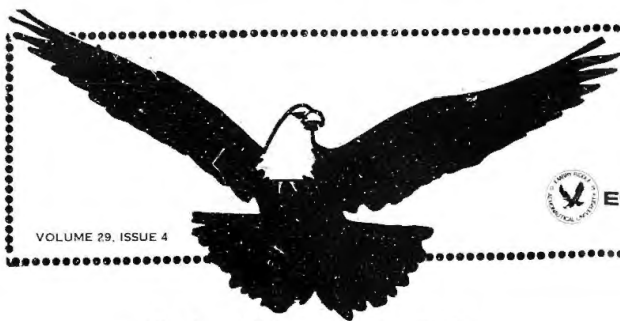
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THE AVION

THE AWARD-WINNING NEWSPAPER OF COLLEGE AVIATION

EMBRY-RIDDLE AERONAUTICAL UNIVERSITY

June 7, 1978

VOLUME 29, ISSUE 4

Lindbergh To Visit Campus?

By Leona Jordan
AVION Staff Writer

Well, not really! But Embry-Riddle is the proud temporary possessor of the engine from Lindbergh's specially ordered airplane, the Miles Mchawk. The engine, a Monasco Bucciner, is a 8 cylinder high-performance race engine built for Lindbergh in 1936 for his personal use.

Lindbergh flew the airplane throughout Europe before World War II as he visited the enemy factories and plants gathering information to persuade America not to join the War.

After Lindbergh's return to the States in '39 the Royal Air Force took possession of the plane and used it for communications purposes during WWII. The Mchawk was entered in various competitions over the next few years in England and North Africa. Due to engine trouble, the plane was forced down in Spain during a race in 1949 and was not heard from again until a Confederate Air Force Colonel discovered the airplane in Seville, Spain, in 1975.

The AeroFex Museum Foundation from North Carolina displayed the airplane until it was donated to the Smithsonian Institute. The curator of the Smithsonian, Lou Casey, wanted restoration work done on the airplane and due to the limitation of personnel and equipment at the Smithsonian Maintenance Department he consented to having the body work done by Florida Exhibition of Orlando, and, after talking to Freddy Mergle from E-RAU's Maintenance Department, Casey allowed the engine work to be done here. According to Mergle, no evidence

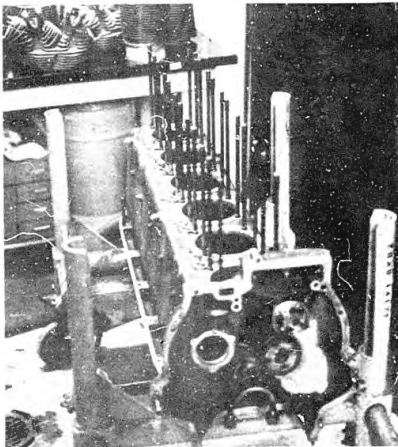


Photo by Henry

of any major engine malfunction has been found and the engine is fully disassembled.

The first engine installed in the Mchawk had a problem overheating due to the fact that the hub of the propeller was not aerodynamically economical regarding airflow. Due to the fact that this engine has a fixed pitch propeller, instead of a variable pitch Mr. Mergle believes this engine to be the third one installed in the specially designed one of it's kind aircraft.

There are two students working with Mergle on the engine selected for their inter-

est. They are Elinor Ware and Lauton Fanning.

A few specifications provided to us reveal a 250 horsepower super-charged engine with a cruise speed of 170 mph and a top speed of 190 mph. The range the plane was capable of flying was 1,400 miles - adequate and then some for Lindbergh's peace journeys throughout Europe.

When the engine is completely overhauled, Mergle will have it on display for a few days until it must be returned to the Smithsonian. Look for more information on the Monasco Bucciner in later issues of the AVION.

E-RAU Security Goes To Work With New Image

By Jonathan Bailey
News Editor

Have you noticed something missing from Riddle's campus recently? If you said a uniformed police force, you are right. The Riddle cops are no more. Gone are the uniforms, the nightsticks and the mace. Even the name, Riddle Security has passed into history. The new organization is called The Department of Safety, Traffic and Security.

Student unrest was instrumental in bringing about the change. The prevalent feeling among students was that Riddle Security was becoming rather like a gestapo force whose primary function was student harassment. When asked by the Administration to overhaul the department with an eye towards altering the police type image, former Security Chief Jerry Moeck and his Deputy, William Heiser, elected to terminate their employment.

Former Parole Officer Philip H. Bird of the Florida State Probation and Parole Commission went to work as head of the new department on April tenth with Richard Seliken as his assistant.

The Safety Patrol's new uniform doesn't even look like a uniform. It looks more like what what a well-dressed businessman would wear. All the militaristic titles such as Captain, Sergeant, etc. are gone. Now everyone is a Safety Officer. The Department is also down from forty-two to seventeen full time officers which adds up to a savings of close to \$40,000.00 a year to the school.



Dave Gilbert displays new Safety Patrol 'uniform'. Does this look like a cop or a businessman? Photo by Henry

The Safety Officers may still give traffic tickets, but their attitude has changed significantly. They no longer feel they are here to police us but are here to be of service. Safety is a big word in the new department and to Director Phil Bird it means more than just giving traffic

tickets. A new program designed to prevent accidents and enhance safety will soon become apparent.

The Avion will print a more complete account of the reorganization at a later date and also an introduction to our new Director of Safety, Philip H. Bird.

NOTICES

FOLK DANCE CLUB TAKES BREAK IN LESSONS

Embry Riddle's International Folk Dance Club will not meet June 7 and 14 because the instructor will be in meetings in Europe recording Folk dance music.

But keep JUNE 21 on your calendar. The newly organized club meets on Wednesdays at 7:30 p.m. in the University Center - all ages are invited. No partner is required. Dress casually - blue jeans, shorts, tank tops are all appropriate. Followup articles on folk dancing will be coming soon. For further information on this great new club contact Ext. 364 and ask for Jules Gandelman, the club advisor.

Try something different and your leisure time will fly by with fun.

WIN A TEE SHIRT!

Somewhere in this paper is someone's social security number. If you find your number in this issue you are the winner of a free Miller T-Shirt, camp t-shirts of S.R. Perratt, Inc. Miller Distributors.

If your number appears, pick up your T-Shirt in the Avion Office.

SORRY FOR THE ERROR!

Apologies go out to Mitchell B. Weingel the author of the COOP story last week. We misspelled your name and just want you to know we're sorry!!

CANOE TRIP PLANNED

The Daytona Beach Sierra Club, invites E-RAU students to participate in their activities. Additional information is available in the Student Activities Office.

June 24, Sat.: Canoe trip to Lemon Bluff on the St. Johns. Beautiful trip of approximately 6 miles. Meet at Sears Auto Center, Volusia Mall at 8:30 a.m. Bring food, drink, canoe. If you need ride or canoe, call Jack, 677-5405, or Dave, 253-0490. Alternate day, Sun, June 25.

July 15, Sat.: Canoe, picnic, swim, . . . an all around get-together at DeLeon Springs. Come at 10 or 11 for picnic and activity of your choice. Plan to have dinner later at Margerie Shwarzes Panacea Restaurant and Grist Mill in DeLeon Springs (formerly 4-Corners) at 6 p.m. Alternate day, Sun, July 16. More information? Call Jack at 677-5405.

Riddle Welcomes New Faculty Member

By Mike Hayden

Mike Williams, an English major, has joined the faculty here at Embry-Riddle Aeronautical University. Mr. Williams' primary job is to see that the foreign students increase their skills in English.

Originally from Georgia, Williams attended Georgia Southern College, where he received both his Bachelor's and Master's degrees. The main

reason Williams chose Embry-Riddle is the fact that he is very interested in aviation. In fact, he holds a private pilot's license and has logged approximately 100 hrs.

In addition to teaching, his main interests include fishing, guitar, and photography. He also would like to further his flying skills while he's here at Embry-Riddle.



RIDDLER QUESTION FOR THE WEEK

What is the largest sum of money, all in current coins, and no silver dollars that I could have in my pocket without being able to give change

THE RIDDLER???

for a dollar, a half dollar, quarter, dime or nickel?

The winner of last week's Riddle is Matthew Jorgenson and the correct answer for last week's Riddler is \$31.63.

Thanks to all those who tried and failed, or came to late to give the proper answer.

The winner will receive one free haircut from The Hangar.

New Student Insurance Rates

Beginning this Fall semester, all students who elect university insurance will be covered with the BASIC POLICY plus the MAJOR MEDICAL coverage. This provides the student with \$6,000 instead of \$1,000 worth of coverage. Many students were insufficiently insured with only the BASIC plan which resulted in Major Medical becoming a requirement.

Also, due to an increase in the cost of medical services and the HIGH number of motorcycle claims, Brown & Brown, Inc., the insurance agency, informed E-RAU that there will be an increase in the Fall '78 rates.

Below is a comparison of rates:

STUDENT Summer '78 \$31.60

Fall '78 \$34.00

STUDENT & SPOUSE Summer '78 \$69.00

Fall '78 \$69.00

STUDENT & CHILDREN Summer '78 \$69.00

Fall '78 \$69.00

STUDENT, SPOUSE & CHILDREN Summer '78 \$111.00

Fall '78 \$114.00

Please note that only SINGLE STUDENT rate has increased.

OPINIONS

EDITORIAL

I'd like to thank John Wrightington for his comments on the "TAKE TIME OUT" column. Student feedback is vital if the Avion is to be your newspaper. We up here in the publications office are continually finding ourselves second guessing what you would like to see in print, i.e. more campus news, more general aviation industry information, etc. Your comments are always appreciated. Comments can be addressed as letters to the editor or just come up to the Avion office anytime between eight and five and discuss it with us.

Of the six major staff members working on the Avion, three will be leaving after 'A' term. This will leave the Avion almost impossibly shorthanded. We need your help. You don't need any special talent, just a little enthusiasm and a desire to get involved.

My hat's off to the individuals that masterminded the reorganization of Riddle Security. A forty two man uniformed police force for a campus of this size makes one wonder about the caliber of the students enrolled here. Welcome Phil Bird. You and your staff are a welcome change.

R. L. W. H.



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By Mike Jaworski

Can you believe that term "A" is almost over? Where'd it go? I'll tell you what though, before it ends we're going to send it out in style. We've decided to celebrate Christmas in June and on the beach! There are several equally important reasons for this: One is that very few of us are ever here on Christmas Day, but we'll be here on June 25th. Another reason, Radio Station, WROD never was given a

Christmas party by their boss, Mr. Cheap, so we'd like to give them one. And finally, it would also be a good reason to celebrate Candy's 21.5th birthday. It'll be a great day with free beer, oldies supplied by WERU radio, and a chance to meet some of the WROD staff. I hope to see you there. I want to compliment the E-RAU groundskeepers for the great work being done on campus. Gentlemen, thank you for that "extra touch". It really enhances the campus.

Klyde Morris

was olezewski



FEEDBACK:

In order to provide Embry-Riddle students, faculty and staff with up-to-date information regarding the University's growth and development, the AVION will print questions and answers relevant to E-RAU operations, and planning activities. If you have a question, you may present it in person at the University Center Common Purpose Room near the main switchboard, on any Thursday from 8 to 9 a.m. and from 4 to 5 p.m. Embry-Riddle Marketing and Development representatives will be on hand during these times for personal discussion. Or visit or write to Marketing and Development, Administration Building, any time Monday through Friday, 8 a.m. to 5 p.m. Please call ext. 333, 334, 335 to arrange an appointment.

QUESTION/COMMENT:

AVION Editor Dick Butler asked in his editorial column last week if it wouldn't be a good idea to require students to meet with their advisors. Such a requirement (as opposed to voluntary action) might "significantly reduce the number of course substitutions and help to standardize the curriculum," Butler stated.

ANSWER/COMMENT:

FEEDBACK posed Dick's question to Roger Campbell, Chairman of both E-RAU Humanities and Social Science and the Student Advisement Committee. Here's Mr. Campbell's response: "Among the reasons one might suggest for NOT requiring students to see their advisors are:

*For many students, such an approach would constitute one more unnecessary "hassle."
*Such a requirement would suggest a need for enforcement - a virtually impossible task.

*For the mature, conscientious student, there is ample published material concerning E-RAU rules, regulations, requirements, etc., so that the individual can proceed without assistance.

*Frequently, the only difficulties that a student may encounter can be dealt with by whatever faculty or staff member might be handy at the moment.

*One of the strong points of this University is the availability of personnel at all levels, to the students.

Why ask an advisor when you can ask a Chairman, Dean or Vice President?"

QUESTION/COMMENT:

I'VE HEARD A RUMOR THAT THE ENGINEERING PROGRAM IS IN DANGER OF LOSING ITS ECPD ACCREDITATION BECAUSE OF LIBRARY SIZE. IS THERE ANY TRUTH TO THIS?

ANSWER/COMMENT:

Flatly no, according to Dr. Donald Ritchie, Chairman of Aeronautical Engineering. He added: "The team who performed the accreditation investigation in 1974 pronounced the program to be in tremendously good shape in all areas including library and laboratories. This accreditation is good until 1981, and there are no problems in this area."

By Frank Park

A lot of students have inquired why there are not more activities other than our seven or eight movies scheduled for the summer terms. This is because there are not as many people enrolled and fewer people means less participation (than spring or fall) and a smaller budget on which to operate. Over the summer, the majority of our time is spent with such responsibilities as reviewing the constitution of the SGA, reorganization of committee personnel due to spring graduation vacancies, and most of all, planning for the big events coming in the fall and spring.

Another question that came up recently that I really didn't

know how to handle at the time was this. A student who has been here for two years asked me, "Weren't you running for some SGA office back in the spring? Who won?" I just didn't know what to say. For all the NEW students and returning students who didn't save a copy of the AVION that published the election results, here is a rundown with updates for your reference and contacts.

President - Michael Jaworski
V.P. - Frank Park
Senators-at-Large - Jerry Tilenis
Leona Jordan
Senators from College of Aviation Technology - Tom Campagnola
Nat Kidder
Paul Lennon
Charles Matthews
Senators from College of Aeronautical Studies - Gwen Holkeboer
Howard Less
Vaughn Watkins
VACANT

Serving pro-term in summer for Jerry Tilenis

Roman Woloszyn

Serving pro-term in summer for Howard Less

Jimmie Hilburger

Notice if you will, a vacancy in Aeronautical Studies. Any volunteers? Inquire at the SGA office.

QUESTION/COMMENT:
HOW ARE THE NUMBER OF STUDENTS PER COMPUTER TERMINAL DETERMINED? IS THERE SOME FORMULA FOR COMPUTING THIS?

ANSWER/COMMENT:

Jerry Davis, Computer Center Manager responded to this question. He said that there is no strict formula or guideline in this area. "Computer Center personnel keep track of the hours when the terminal room is busiest, as well as when the terminal room is empty. If long waits are encountered regularly by students, then additional terminals are requested in the next budget."

QUESTION/COMMENT:
WHY DOESN'T E-RAU LIMIT ENROLLMENT BY CREATING HIGHER ADMISSION STANDARDS?

ANSWER/COMMENT:

Dr. William Motzel, E-RAU Vice President, Academic Affairs, provided this reply: "Many high school students receive poor grades and/or test poorly in high school due to lack of maturity and/or motivation. Many of these students become highly motivated and "good performers" in our highly relevant career-oriented aviation curriculum. Embry-Riddle has an open admission policy which gives these students an opportunity to demonstrate their ability. We have developed special courses to help these students through the "transition" and take pride in those who help. Many of our successful graduates (and your colleagues) would have been screened out by so-called "high" admissions standards.

QUESTION/COMMENT:
I'D LIKE A DETAILED EXPLANATION OF HOW THE \$50 STUDENT SERVICE FEE IS SPENT.

ANSWER/COMMENT:

Dr. Jeffrey Ledewitz, Vice President, Student Affairs, supplied the following information:

"Monies collected from the Student Service Fee are applied toward various expense areas associated with the University Center, its programs and facilities. For example, the funds help to support student services including the Health Service, the Post Office and the Counseling Center. Although it may not be evident at first glance, student use of these services has risen steadily from year to year. To meet increased student demand, the Health Service now employs three fulltime nurses during the Fall and Spring Trimesters. Student contacts increased from 9,235 in 1976 to 11,306 this past year. By the same token, more student mailboxes have been added and the postal staff increased to meet rising requirements for increased service. Part of the Student Service Fee monies also offset the losses revenues previously generated by the course add/drop and graduation fees, which were a source of constant student dissatisfaction. A fully detailed breakdown of individual expenses is impossible within the space limitations of this column. However, any student who wishes to may stop by my office for an extended discussion on this subject."

Letters

A LETTER TO THE EDITOR

It's about time someone like Gail Tworek started the weekly article "Take Time Out" for the students of this university. Not only is it informative, but it picks up on new areas of interest to the student in the surrounding area. After visiting one of her suggested restaurants, I had to compliment her article even more so.

Not to find the same aviation articles in the paper is quite a change for the better. Thanks again for the innovation you have shown this summer; it's time for a change!

John Wrightington

DEAR EDITOR,

I am your average Riddle Student and I have the feeling I have just been "Riddled" by the school policy concerning Resident Advisors in the Dorm. Do they really have two RA's in the female wing. Kathy Vonstetina and Peggy Pouyer? Both getting a monthly salary and living in the Dorm free? Now I am being asked to accept a tuition increase. Is this what I am paying for? I hope not. By the way, can I be an RA too? Sounds like a real rip. Name withheld on request.

the avion staff

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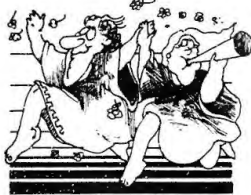
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TAKE TIME OUT



...FOR MUSIC! There are several concerts coming to the area. The big one, June 10, is the Rolling Stones in Lakeland, which unfortunately is sold out, although diehard fans might want to try to get those high-priced tickets before the concert. The following weekend Foghat will be in Jacksonville (Fri - 16th) and Lakeland (Sat. 17th). Lakeland, which seems to be the summer concert capital, also has Alice Cooper scheduled for July 8th. Closer to home, you might want to plan ahead for the July 2nd concert at the Tangerine Bowl in Orlando. The music starts at 4 p.m. and will continue till late with the songs of Bob Seger, Foreigner, Paulo Cruise, and AC-DC. Since this is the weekend after Term A finals, it sounds like a good way to unwind!

By Gail Tworck
Entertainment Reporter

...FOR A GOOD TIME! The S.G.A. is sponsoring two events this weekend. Saturday, an all-day trip to Bunch Gardens is planned. The bus leaves at 7 a.m. and returns in the evening. The total cost is \$11.25; \$5 of which is for the bus. The next day is Sunday out by the dorms. From 4-7 p.m. there will be make-your-own sundaes, melon & pie-eating contests, different races and contests, and an all-round good time!



...FOR DINNER!

Being partial to pasta, I recommend the Venice Restaurant on South Atlantic Avenue (A1A) for a scrumptious Italian dinner. Although the prices run moderately high, two can eat (with one drink) for under \$10. Dinners include cheese 'n' crackers, bread and bigger-than-average salads. I recommend their Italian dishes, but they also serve steaks and seafood. Those who like Italian food will find their biggest problem in deciding what to order. I can recommend the lasagna personally. The atmosphere is appropriate for families as well as couples, and you can dress informally to be comfortable. I also found the service to be excellent. Give them ****

INTERNATIONAL STUDENTS CORNER



PAKISTAN: A Proud Country

By Azfar Usmani

Longitude: 80 to 63 West
Population: 70 million
Length: 1,300 miles
Latitude: 15 to 37 North
Area: 311,000 sq. miles

The temperature in Pakistan ranges from 120 to -40 degrees Fahrenheit, and the altitude from zero feet to 28,000 feet.

Probably the two questions I am asked most frequently concerning Pakistan are (in that order):

Q: Where is that? (Or sometimes, "What" is that?)
A: (With an injured or haughty look depending on my mood) (I am taking up the cause of the written word as opposed to verbal communication and all of you reading this section won't ask me those internal questions again; of course you won't! Please??)

Pakistan occupies a strategic corner in Asia, having a diversity of neighbors including:

Peoples Republic of China
Imperial Kingdom of Iran
The Republic of Afghanistan
The Secular Republic of India

We do not have the privilege of calling the Soviet Union "neighbor" by a matter of a very few Afghan miles. Allah is great.

There are four main provinces and four races living in the Islamic Republic of Pakistan. The province of Punjab (occupied by the Punjabis, naturally) is central, with Sindh to the south, Baluchistan to the west, and the North West Frontier Province (NWFP for short) to the north. The people living in each province have their own individual style and language.

The Sindhi is a guy of average height, lean to very lean, and dark complexioned. He wears loose baggy pajamas, called shalwar and a knee length shirt exquisitely embroidered by his wife, called a kurti. He is a farmer and takes particular joy in singing and dancing.

The Punjabi, too, is of

average height, stock, usually well built. He is a farmer and soldier of excellence. The language of Punjab is very melodious. He wears the same kind of dress as the Sindhi, but he also affects the sarong (the women look real cute!). While Sindh is flat, having extensive plains and huge deserts, Punjab goes from fertile plainland to the foot mountains of the mighty Himalayas.

Every Baluchi (12 million of them, bless their hearts) has a huge beard, moustache, and a turban. That's not a generalization; not by a long shot! They are rather fierce looking guys, tell to very tall. Their part of the country is beautiful, rocky, impossible to traverse and very hard to survive in. OH! I forgot something - every Baluchi and Pathan has a gun (from a Mig to an ancient musket).

Now to come to our frontier. Men walk with "insolent, liting strides" staring at you from green, Kohl-rimmed eyes. Around their head is wrapped a 10-yard long turban. They are a tall people, fair in complexion (there are exceptions, like me!) and live by an ancient honor code. The land is flanked by huge, snow-capped mountains. The tribes sometimes number upward of 20,000 people. The government of Pakistan does not try to impose any kind of law or restriction on the Pathans, preferring to let them live by their ancient honor code, which has worked for centuries.

My female readers are probably fuming about my lack of mention of the various female species inhabiting Pakistan. Well ladies, the female lib has still a couple of centuries to catch up there (forgive me, Mother). The women live the same kind of lives, whichever province they might happen to live in. They take care of the children, the house and their men. In time of

trouble and hardship, they stand shoulder to shoulder with their husband, brothers and sons; and in times of peace, they watch the children flower under the sun of Pakistan.

Other interesting facts: In summer, temperatures of up to 125 degrees have been recorded in the plains.

In winter, 40 degrees below 0 is not uncommon in the mountains.

Pakistan has the second tallest mountain in the world called Nanga Parbat (28,000 ft.). Pakistan is the 7th largest country in the world.

Pakistan is world champion in field hockey, a sport it has been dominating for 2 decades.

Squash was invented in Pakistan a long time ago, and the first five positions in this sport are held by Pakistani athletes.

Polo was invented in Pakistan, and some of the best players in the world are Pakistanis.

Oil reserves (untapped) are estimated equal to Iran.

Pakistan has the largest earthenbound dam in the world.

Main exports are cotton, fruit, carpets, vegetables, textiles, maize, fish, livestock, rice, and raw materials like aluminum.

There are 18 books and articles on Pakistan in the library.

There are 15,000 Pakistani students in the United States.

Pakistani pilots are called kamikazes (so don't feel bad!)

The official language is Urdu, understood by all four races.

COMING UP NEXT: IRAN

POOL TOURNAMENT THURSDAY, JUNE 15 U.C. 8:00 p.m.

1. Cash prizes will go to 1st, 2nd and 3rd place. (\$25, \$15 and \$10)
2. Register at the Pub before 8:00 p.m. on June 15th or in the Student Activities Office.
3. Single Elimination
4. Call all shots, banks and deflections.
5. If necessary, byes will be given.
6. Rules of the contest will be given when you register.



LUNKEN FIELD — HOME OF ERAU STILL LIVES

Lunken still lives. Lunken field, the old municipal airport at Cincinnati, the original home of Embry-Riddle, still exists on the outskirts of the city. A quiet field now, all scheduled air traffic into Cincinnati uses the big, modern, Greater Cincinnati Airport across the river in Kenton County, Kentucky. Lunken is reduced to general aviation, private and biz jet.

Ray (former AVION editor and son to Joseph) and I dropped in at Lunken. Ray having chosen it as a stop on a cross-country, me along for the ride. It wasn't hard to find the place and there was no other reported traffic in the area when we set down. Ray taxied us up to the parking ramp in front of the old terminal building where a bright young ramp type placed a shock around the nose gear and asked if we needed gas. We didn't because we were planning to gas up at Lexington Bluegrass where we planned to spend the night. He took himself off and we got out to survey the area. The first thing I noticed was a sign on the fence: "OVER-NIGHT PARKING - \$5." The second thing was the terminal building.

The old terminal, obviously built during the early 1930's and probably by the WPA, is a marvelous Art-Deco piece. Large main hall with two corridors "TO AIRPLANES" and two sets of swinging doors leading out to a parking lot

By Joseph Katz
filled by all of 10 cars and pickups. Two huge murals flanked the parking lot doors, one glorifying agriculture and flying, the other, industry and flying. A balcony with staimless medallions glorifying what, I don't know, appeared on the land side of the hall. An insurance office, "BOATS, PLANES, AUTO INSURANCE, PILOT SUPPLIES AND NOVELTY ITEMS" was the main attraction in the main hall. Doors off to one side led to a small restaurant and bar.

I wanted a beer but Ray had to fly us to Bluegrass so I didn't tempt him. The Flight Service Station occupies the complete wing opposite the restaurant. We walked in. Ray closed his flight plan, we got a weather briefing, chatted a while, Ray filed a flight plan to Bluegrass, I read all the faded posters, and we wandered out. From the courtesy of the briefing I gathered that not too many people from as far as Florida visited; the staff were glad to see a pair of human (?) faces rather than disembodied voices on the radio.

We climbed up the stairs off the doors. There were a few lawyers, a consulting engineer, and a couple of official sounding bureaucratic titles from the City, County, and Ohio State governments. In spite of the governments. In spite of the closeness to the City the office titles had the sort of low level

feel that the Lunken Terminal Building was a "Siberia" for functions that weren't important enough to be "down-town." The doors to the old "observation deck", long a feature of airports when flying was young, were locked so we wandered back out to where our plane was parked.

We watched a Hughes helicopter land on the grass across the ramp from the terminal, and, with the pilots permission, looked it over - admiring the shrouded fan that cooled the engine and the gearbox that turned the power from the horizontal engine up to the main rotor. We would've kicked the tires but it didn't have any.

As we walked back across the ramp to our plane a Grumman Gulfstream landed. It taxi'd directly over to a hangar at the eastern edge of the field where two Mercedes sedans waited with their trunks open. I was impressed by all three. Later, as we taxied out, we noticed several other big jets parked in the same hangar. Lunken may be quiet on a Saturday afternoon but it isn't poor.

Ray went through his pre-flight and we took off. In a few moments Lunken disappeared leaving me to wonder about all the activity that must have taken place at the field "in the old days." It must have been exciting but time marches on - leaving Lunken to doze in the twilight.

ROWING REPORTER



by Keith Kollarik

Many students accuse the S.G.A. of not doing its job. What do you think? Is the S.G.A. doing its job to your satisfaction?

"For the money you pay, it doesn't seem like you get enough. The money could probably be better used. For instance, at the Spring Fling, the beer should have been free, since we already paid for it."

Alan Kersey
Flight Tech

2. "Unfortunately, I live off campus, so I don't feel the SGA benefits me very much. I'd like to see more weekend events."

Mohammed Garba
Av. Management

3. "Yes, I feel they're doing a pretty good job. I would like to see where the money is going. I don't understand where that \$50 service fee is going."

John Califf
AMT

4. "Overall, I'd say they're doing a pretty good job. I'd like to see the SGA expanded. If people would get with the SGA and let them know how they feel, we'd all be much better off. The SGA is only as good as the student body makes it."

Carl Duncan
Aero. Studies

5. "Well, they seem open minded, but results seem to come slow. It's too early to really tell."

Laurie Salopek
Aero. Engineering

6. "I really don't know what they do. I'd like to see more info on campus activities. I wish it was a different question. Was the SGA in charge of the free beer for ERAU Radio? I went to party and it turns out the pool workers drank it up!"

Linda Notarpole
Engineering

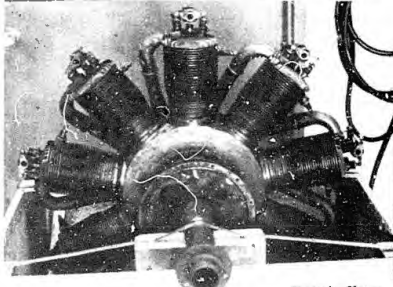
7. "I think if students would back the SGA, more would be accomplished. I'd like to know where the \$50 student service fee is going. I'd like to see the SGA find out!"

Steve Rothstein
Aero. Science

WW I A/C ENGINES VISIT RIDDLE

WW I Aircraft engines at Riddle! Not being flown of course! However, Embry-Riddle does have two WWI vintage engines on loan from the Smithsonian to be overhauled.

The engines, a 7-cylinder Gnome and a 9-cylinder Larone, were built in France and due to an interesting structural design, their power to weight ratio was an improvement over existing aircraft engines at the time. The design is one employing a stationary crankshaft and rotating radial cylinders - in other words - a rotary engine. The engines are distinctly different from the conventional reciprocating engine with its moving crankshaft.



The rotary engines were reported notoriously hard to get started let alone fly, and considering the planes were hand propped back then it is not hard to see why. Landing the airplane was quite a challenge as well, because the pilot had to contend with a major change in torque when the engine was throttled back and shut down.

The Gnome specifically required great skill by the pilot to fly because there was no real speed control - takeoff was made at full power, 1,200 rpm, - and to change the air-speed ignition of the fuel

supply was cut off and then on again by stopping the charge on the magneto. This "blurping" of the engine made landing the aircraft hazardous as changes in the gyroscopic forces necessitated major reactionary

changes in the aerodynamic configuration of the aircraft. Associated with "blurping" the engine was a problem of "fire balls", so called because the Gnome occasionally got an intake valve stuck open and if the gas ignited a ball of fire would blow out the intake valve in the general direction of the front of the cockpit; the pilot's seat!

Added danger was the fact that the airplane was constructed of wood and fabric and would catch fire easily. Apart from the difficult manageability of the engines there is much to be admired about their manufacture. The engines are made of steel and are precision machined, each 6 lb. cylinder being derived from an original 96 lb. block of steel, with walls

1/16 inch thick and tolerances up to several ten thousandths of an inch. Such machine work is rare among today's engines with their tolerances of merely several thousandths. Mr. Fred Mergle from the Maintenance Technology Department is supervising the work on the engines and plans to have them on display for a few days in the University Center, before returning them to the Smithsonian. The Larone engine will be in running condition and Mr. Mergle plans to construct an educational slide presentation of the overhaul and unusual interior design of the engine for use in the Maintenance Technology Department. Look for the Gnome and Larone rotary engines on display in the U.C. in a few months.

Photo by Henry

Photo by Henry

2,000th

SAILPLANE PROGRAM BY TWO

GENERATIONS OF SCHWEIZERS

In 1930 the three Schweizer brothers, Ernie, Paul, and Bill, built their first primary glider. In 1978 Schweizer Aircraft Corp. at Elmira, N.Y., produced their 2,000th sailplane. Since 1970, the three brothers have been joined by a second generation of Schweizers, Leslie, Stuart and Paul Hardy, all aeronautical engineers, who are active in the management of the company and will continue the tradition of producing quality sailplanes, aircraft, aircraft components and light metal structures.

The 2,000th Schweizer sailplane is a high performance "Club-35" model, the 9th FAA approved sailplane model de-

signed and produced by the company. Another version, the 1-35A, won the Smitroff Cross-Country Derby and holds the National 15-meter distance record with a single flight of 716 miles. This ship will be displayed in the National Air and Space Museum, in Washington, D.C.

SAILPLANES AND CROP DUSTERS:

The two major production lines at the Schweizer factory offer a study in contrast. Sleek, aerodynamically clean Schweizer sailplanes, and big, rugged, utilitarian ag-Cats produced for Grumman-American, come down the lines together. Following WWI, the company diversified its production. In addition to sailplanes and the

ag-Cat now in production, the company produces major components for leading aircraft and helicopter manufacturers. Companies that SAC has worked for include: Grumman, Bell Helicopter, Lockheed, Republic, Fairchild, Piper, E Systems and Martin.

DEALER ORGANIZATION:

Schweizer Aircraft pioneered the first sailplane dealer organization in America. The dealers operate under the trademark, of, "Soaring Centers of America." The basic requirement for a Schweizer dealer is to have a full-time soaring school which provides introductory rides, instruction and sailplane rentals. There are 30 Soaring Centers of America throughout the country.

Schweizer also operates its own soaring school at the

Chemung County Airport where sailplane pilot courses and introductory rides are given. Also, special courses are available to those planning to start a commercial soaring school.

FOR PLEASURE FLYING AND RECORDS:

In the nearly 50 years since the Schweizer Brothers built their first gliders, there have been many changes in the sport of soaring. Gliding angles have increased from 8:1 to more than 40:1. Many contests have been won by pilots flying Schweizer sailplanes. They have also set numerous national and world records for speed, distance and altitude.

The 2,000th Schweizer sailplane is a historical milestone for both Schweizer Aircraft and North American soaring.



Photo by Henry

Let's go trucking
Hi Frank!

HOUSING INCREASES BRING NEEDED CHANGES AND TEMPORARY LEASING

By Jean Snyder
AVION Secretary

Summer visitors to Embry-Riddle and fall increases in enrollment bring capacity numbers to the present Dorm this summer and over 450 motel accommodations open for students in early Fall.

According to Robert Van Riper, Assistant Dean of Students, this summer will bring greater numbers of visitors for the Upward Bound, Early Birds and Sun Seminar programs to name but a few. With these record numbers comes the question of where to house these people. According to Van Riper the Dorm will be used to full-capacity to accommodate these short-term students.

But there will be a longer term student increase when the Fall Trimester arrives and the new Dorm Complex is not completed until mid-October.

Van Riper said that the entire Scottish Inn facility on Volusia Avenue and 90 rooms at the Days Inn, also on Volusia Ave. will be utilized by the University to house students this fall. This will, according to the assistant dean, mean 470 people will be able to be housed in these motel facilities. When, in fact, the new complex is open, those students going into these dorms can be easily housed.

Robert Van Riper, in lieu of shirking his responsibilities informed this reporter that Clyde Morris may find these new dorms better equipped to accommodate him. There will be three rooms in the dorm specially designed to aid handicapped people. "Klyde can be put in one of these," Van Riper said. "Although Klyde didn't get his reservation in on time!"

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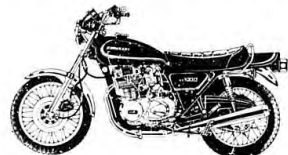
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CAMPUS CLUBS



VETS

self at his first Vets Club function but seemed angered as the day rolled on when his father wouldn't turn over the keys to the van. A shame after he spent most of the afternoon lining up dates.

By the time this is printed hopefully the Vets will be back on a winning streak in softball. They dropped a 14 to 7 decision last week and face Hang Ten on Tuesday at 5:00.

The next scheduled meeting is Monday, June 12 at 7:30 p.m. in the GPR.

The next function will be a Deep Sea Fishing trip, Sat. June 17th in the morning followed by a Fish Fry picnic that afternoon at the Ponce Inlet Little House picnic grounds. More information will be out in the next edition. If anyone knows the whereabouts of a shirt which was misplaced by Dave Johnson contact Dr. O'Connor.

The Vets enjoyed a fine day at the beach last Saturday with their Welcome Beach Party. The Turnout was great as was the food prepared by Dr. O'Connor. He'll make somebody a good wife someday. Everyone enjoyed the Volleyball games, swimming and the ice cold beer that was on hand. Matt Thibadeau enjoyed him-

FRATERNITY CORNER

EX

By James L. Javirek

Last week was the beginning of the first summer month and everyone was overjoyed when Friday came around. Where would we be without weekends?

Last Friday evening everyone met at the pub and spent part of the evening drinking and shooting pool. Then we all went to the house and attended the Little Sigma's Pool and Keg Party. Everyone had a downright good time. We had guests from Lambda Chi and Delta Chi and they were well represented throughout the evening's events. The party finished at midnight and everyone proceeded over to ABC to close everything down and finish the evening right.

Saturday night we all went to the movies and had a good time. I was really surprised at two of our fraternity brothers who were complete opposites of their normal personalities. John Wrightington managed to be well-behaved for a

change but Jerry (Watermelon Head) Philippine was on the more humorous side and managed to keep almost everyone laughing through some of the more unhumorous parts.

The weekend was one of our more subtle periods, but we needed a rest after the long week anyway. But on our agenda for this coming weekend we'll be having a moving picture party Saturday evening at the house. We will be showing some films and drinking some beer which should prove to be a lot of fun.

Ever wonder what fraternity life is really like, but you haven't been able to get a hold of anyone to find out? Well, now is your chance. On July 6th (Friday) and 7th (Saturday) we will be hosting a rush weekend. Feel free to come by that Friday and Saturday night and we'll be glad to tell you more about fraternity life. If you need a ride, give us a call at 252-2277, if you DON'T need one our address is 530 S. Ridgewood. However, if you don't feel like waiting till then call us now or come on over. We'll be more than happy to talk to you.

AXA

By JR

A very eventful weekend for the brothers and sisters of Lambda Chi Alpha. On Friday night we made an appearance at the Sigma Chi House, for their little Sister Party. It was great to see the fraternities party together. Later on some of the more adventurous brothers went on to some of our favorite spots in town.

On Saturday night we sponsored the party!! We started with a great bunch of people, some nice music to dance to, (Matt, Sandy), and some easy conversation. We ended up in the pool. Some went in fully clothed (thanks Leona and Gwen), others without you pro-

hably had a great time, those of you who didn't make it, make the next one because you don't know what you're missing. Lambda Chi parties are definitely the best!

A welcome to Chuck, Steve, and Dan, the new associate members. It's great to have you aboard! The left-wing group, the sons of Leopold, wish to announce the successful initiation of the Sigma Chi Fraternity, now we know the truth. We wish to thank brother Kirk from the University of Washington his services rendered in this clandestine operation, good show!

Next week our trip to Disneyland - Busch Gardens.

CLASSIFIED

FOR SALE - AUTO

FOR SALE: 1966 Volkswagen Station wagon (convertible). Rebuilt engine. Recent inspection, new brakes, no tires. Call 761-9261.

87 VW Bug - Sunroof - rebuilt engine. 1500 cc 8130. 672-1280, 761-4214.

FIAT SPYDER convertible '69 Model - 65,000 miles. No problems at all. Good value. Call 252-9229 from 8 a.m. to 9 a.m. or 9 p.m. to midnight.

10 speed bike and back and hand pump. Contact Bob 1557.

1972 Honda 750 Lugester rock star bar. Great condition \$1550. FRAX Box 3356 or 252-9437 ask for Bill Apt. 30 Rathmann.

10 Speed 26" Huffs contestant bicycle. Center pull brakes, rat trap pedals, fenders. Excellent condition. Used only 30 miles - New \$1100 now - \$75 must sell. 761-6736.

10 SPEED Bike - back and hand pump. Contact M. Mohsenzadeh, Box 4577.

HONDA 1576 CB550 Super Sport mini. cond. Handlebar folding, front safety bar, baggage rack - also bar w/pump. \$1,250 Phone: 761-6736.

FOR SALE: 1975 Vega Phone 252-4847 or Box 3422.

FOR SALE 1975 HONDA 550 - New Dunlop Tires, full fenders and Bell half bar helmet included. Bike in excellent mechanical shape. First offer. Contact Dave at Box 3188.

AMP Purnell Mens 10 Speed - excellent condition \$89.00 or best offer. Contact: 252-3271.

FOR SALE - AUDIO

STEREO: Pioneer RC-1, Pioneer 9500s Tuner, Pioneer Stereo 1 Pre amp, Pioneer Spec 2 Power amp, Dynaco Pat-8 Pre-amp, Dynaco 410 Power amp, Tandberg 3300s reel to reel, Par FSS and 1 Bell speakers, Technics 51-1300 turntable Ph. 252-4847 or Box 3422.

1 GE 11" TV set like new. Call John 761-4550. Asking \$25.00.

FOR SALE: TRAC - A-2070 Reel-to-reel tape deck with record mode & play equalization. Good condition - Only want - \$165 Call Steve 761-4550.

FOR RENT - ROOMS

FOR SALE: 12,500 Mobile Home 2 Bedroom and bath, hot, air con 17 Spring Drive, Landings Trailer Park. Call 761-9261.

ROOMMATE WANTED: share three bedroom house with two others. Rent \$50 a month. Contact Nick at 252-6009.

ROOMS AND FURNITURE

200 S. Ridgewood - By the Week, Month, Telephone 252-9229 or 252-5402.

ROOM FOR RENT: Newly furnished room with desk, wall to wall carpet, parking and large walk in closet. Use of complete kitchen, full bath, 2 car garage, telephone, lawn care, and washing machine. In walking distance to large shopping center 7 minutes from Riddle. Quiet suburban residents. \$89 a month, you pay no utilities. Available starting in Spring '79. Call Steve at 252-6185, or stop in at 1279 West Drive, Holly Hill.

LOOKING FOR A FEMALE ROOMMATE: Move to share a two bedroom unit. Located at Sunnyside Woods, West \$89/mo. - utilities. Call Amelia and Ellen 252-8117.

WANTED: perfect male - roommate for summer months - Call after 4:30 p.m. 252-7894.

ROOM MATE WANTED: for summer - starting in May Rent \$80 plus utilities for information call 672-1155. Ask for Steve.

LOOKING FOR THE guy who was looking for a place for my car who is coming down in June. Please call Amelia or Ellen at 252-8117 or come by.

FOR SALE - MISC

WANT TO BUY: A Surfboard. Call 672-2628 after 5 p.m.

I am going to Mex. via IRS at the end of a term. If you need a job north and are willing to share expenses contact John Kane - Box 5310.

FULL TIME flight instructor needed for ERAU. Present, Arizona. Requirements: CFI A&I. Respond as soon as possible to Personnel Services, extension 355 or 252 or come by the Personnel Office, ERAU administration building.

HOME REPAIRS: Painting and Alterations, call Givens or Bill 252-6185.

FOR SALE: Scottish terrier puppies. AKC registered, 3 weeks old, \$225.00 Phone 761-1132.

DORM NEWS

By Peggy Poyner

Well, it's been a while since we at the dorm have had this much breathing room. It is hard to be "in" but there are no three p.m. in rooms for summer A. And the third floor is only occupied by a few of the held over flight people: products of the well run flight line. We'd better take advantage of this comfortable living, because the swarms are going to reappear in July. There will be increased enrollment, along with the Upward Bound people who will reside on the third floor. Did you think housing was a problem last fall? Well, just wait.

Riddle students will occupy the dorm, RSL, and Days Inn. The new dorm is expected to be ready in mid-October (but don't hold your breath). While we're on the subject of housing, Bob Van Riper filled the spot left empty by George Smith. Bob was the former assistant to George. Reports are that Bob has been on his toes and doing a good job.

The dorm's softball team, the Dodgers, defeated the Vets, 14-7 last Tuesday in a great game - if you're from the dorm. Basile Norris surprised us all by driving in two runs, hitting a triple, and making some outstanding plays. The Dodger's shortstop was really hot also, although no one knows his name. (You should make an appearance in the lobby once in a while).

Ma Bell made a visit to the dorm today to take out some pay phones. They were replaced with some new-fangled thing that only handles out going collect and credit card long distance calls. Everyone was up in arms, so they may be taken out and replaced with regular ones.

"Sundae Sunday" is this Sunday at 4:00. There will be events like a frisbee contest, a pie eating contest, a watermelon eating contest, volleyball, tug-of-war, egg toss and a three legged race. Then be ready to indulge in an ice cream orgy. Be there!

Last but not least, we want to wish a happy belated birthday to our fearless head resident, Paul Streve, who reached a big 2-0 last Wednesday.

BOWLING

By Burt Sills

Friday night was clearly a night ruled by the Shumate's with Marci howling a nice game of 222, 548 series. Walt had a high game of 227, with a series of 584. Other high bowlers for the night included E. Lawson having a high game of 193. P. Warren bowled a series of 565. For the men, H. Scripka had a 207 game and S. Bell a 532 series. The standings to date are:

Pins A Go Go	9 3
One More Time	8 4
Wizards	7 5
Mystical Mechanics	6 6
Sigma Phi Delta	6 6
Rice Paddy Daddies	6 6
High Rollers	4 8
All Stars	4 8
Who Cares	3 9
One Lucky Trio	2 10



Team Captain, Jim Singletary, from the sand, by Jonathan Bailey

Are you pretty handy with a golf club? If you are then the Golf Team wants you.

The Golf Team is one of the few teams that remain active during the summer and at the moment it is short of players. There are seven openings on the team and if you are interested in joining, the team would be glad to let you try out. Try-outs are held every Saturday morning at 6:30 at the Daytona Beach Golf and Country Club. Contact Jim Singletary at ext. 318 to make try-out arrangements.

It's a great opportunity to improve your golfing skills and do some travelling. The team has trips against several Florida Universities including one Fall meet against 16 Florida universities. The Team also has three or four local competitions so grab your clubs and get in on the fun! FORE!

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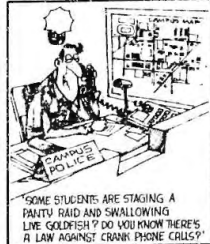
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