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JETSTREAM

THE OFFICIAL NEWSPAPER OF THE STUDENT BODY OF
EMBRY- RIDDLE AERONAUTICAL INSTITUTE

VOLUME I ISSUE I

MAY 19, 1964

THE TRUTH DOES NOT CEASE TO EXIST MERELY BECAUSE
IT IS IGNORED....

From the Editor- Mike Abbruzze

The JETSTREAM extends a hearty welcome to all our new students, and a "hello again" to you seasoned veterans of Embry-Riddle. Here we are again in a new semester, with a new JETSTREAM, a new editor, and a new outlook. This first issue will not contain much in the way of news, since the contents of this paper are mostly what you, the students, contribute. So, let me state the policies and principles of this paper in this, our first issue.

First, this is a newspaper; not a magazine. And a strange characteristic of a newspaper is that it may be the hottest thing on the stands when it comes out, but two hours later house-wives will be wrapping their garbage in it. We want to get this paper out no less than once a week. Of course this depends solely on the amount of material we have to work with- so the more you slip under my door, the more you'll find to read in the paper. All letters to the editor can be handed to me personally, or slipped under the door of the newspaper office. These letters will be printed exactly as I receive them, and I intend to answer them exactly as I see fit, with little reserve, or only as much as prudence dictates. Our main objective- our founding principle- is to print the truth.... subtly, of course. All letters to the editor will have to be signed; 'cause let's face it- if you're gutsy enough to write something, you should be gutsy enough to claim it as your own. I'll also be glad to print "for sale" ads. That is, if you have a car, or radio, or speed equipment or such to sell, give me the particulars, and we'll put it in a column for you. We want varied and sundry articles- come in and tell me what you want printed. If you have some particular bitch or squall, write it up and bring it to me. There is nothing that breeds interest like a good controversy. In my opinion, (and as the editor I'm allowed to do this. Editorial license, I believe they call it.) an argument or discussion helps to keep the cobwebs swept away. If a person is allowed to wallow in his own ideas, he very soon blends into the mud. But when he's challenged, when he has to support or verify some of the things he says, his beliefs are strengthened by having to defend them. Also, when a person is exposed to ideas that conflict with his own, he is often spurred to investigate more closely that which he's always taken for granted. So above all else, I'd like to cultivate controversy in the newspaper. New thoughts, new ideas, new methods. Let's shake off all the old, and search for something better. Let's analyze ourselves- to heck with what's wrong with our neighbors; let's try to remedy what's wrong with us. And in conclusion, let me broach a delicate subject. The last semester left the JETSTREAM in a sorry state, financially. Now, I don't want to charge anything for the paper, since I feel that the JETSTREAM is the voice of the students. I know of nowhere in the United States that a person is charged to speak or to listen. And neither will there be any charge for you to print what you like, or read what others have printed. But nonetheless, there is still a debt owed, and no funds to cover it. Depending on your response to the first few issues of this paper; if public acceptance and participation shows that you would be willing to pay a nickle for an issue, then we will charge, until we have absolved the debt on the books. When we are once again out of the red, the JETSTREAM will be issued free again. Until next week, thanks.

POSSIBLE PUZZLES

Aunt Jenny had three greedy nephews; Philip, Sam, and George. They all looked eagerly forward to the day when she would die and leave them her money. But Aunt Jenny decided to play them a little trick. Calling in her lawyer one day, she made out her will as follows:

The total estate, amounting to \$1,717.00 is to be shared by the nephews in this manner- Philip is to receive one half, Sam gets one third, and one fourth is given to George with the provision that each is to receive an amount in even dollars only, according to his share. Each nephew is to have 24 hours from the hour of my death to calculate the exact amount of dollars he is to receive. If in the event any calculated share amounts to dollars and cents, or if no exact amount in dollars is arrived at at the end of 24 hours, the whole sum is forfeited and is to be bequeathed to a worthy charity designated under paragraph 7 of this will.

The very next day Aunt Jenny passed away, and her lawyer called in the three nephews to hear him read the will. At the end of the reading, they started to calculate their shares, but to their consternation found that no matter how they figured their portions, it wouldn't come out in even amounts of dollars. That is, they always had cents left over. Luckily though, all went well in the last 10 minutes of the 24 hour period. How did they solve their dilemma?

If you manage to solve this puzzle, submit your answer, and be recognized for it. Not only will you win all this glory, but you will also be blessed with the distinct honor of donating next weeks puzzle.

Technical Miscellany

Tiny exotic turbine develops 45 to 360 hp to drive everything from ground effect machines to airplanes. This midget power-plant that requires no clutch, transmission, radiator or starter, has a rotor speed of 92,000 rpm and an output shaft speed of 5,750 rpm.

Most common application of this versatile engine is as a thrust engine on aircraft, similar to JATO units. Novel uses of the engine include rear-end mounting on a 100 hp compact car to momentarily boost it's total power to over 460 hp. You small car owners who want a "real sleeper" could have a ball with this. A demonstration go-cart powered by a 105 hp Turbonique accelerates from 0 to 80 mph in just 4 seconds.

Thermolene is the monopropellant secret on the Turbonique. This nitrate-based propellant supplies both fuel and oxygen to eliminate the power-robbing compressor section and carburetor. Most turbine engines will run on everything from bourbon to peanut oil, but not so with the Turbonique. It must have it's diet of Thermolene, a fuel similar to model airplane fuel, before it will run.

For the present, it's operation is too expensive to be practical on a large consumer scale. Future developments of the Turbonique will be interesting to follow. For more information write to:

Turbonique, Inc.

P.O. Box 3641, Orlando, Florida.

The energy of a hurricane has been measured by Texas A&M scientists and the results are staggering. In one 24-hour period, a hurricane takes up enough energy to heat 62 million homes of average size for an entire heating season in a climate comparable to Washington, D.C. A hurricane draws

energy from the sea to sustain itself, so the scientists measured the drop in sea-water temperature after the hurricane had passed to find out how much energy was expended. --ENGINEERING DIGEST--

We received a release from Mr. Pickering, concerning the moving of our school:

"Mrs. Isabel McKay, Chairman of the Board of Trustees of Embry-Riddle Aeronautical Institute, a nonprofit institute of higher education, today announced the decision of the Board of Trustees to relocate the school at the Ormond Beach Municipal Airport overlooking the beautiful Tokoma River in the Daytona Beach Area.

It was revealed that the new campus will cover approximately 80 acres and contain the three major divisions of aviation training: College of Engineering and Technology, Airframe and Powerplant Mechanics School, and Flight Training Division.

Embry-Riddle Aeronautical Institute, 'The University of the Air' offers the Bachelor of Science degree in Aeronautical Engineering Technology, and training for Airframe and Powerplant Mechanics, as well as all pilot ratings leading to F. A. A. licenses.

The present enrollment is approximately 400 students, and the permanent staff numbers 65 persons.

Jack R. Hunt, President of Embry-Riddle Aeronautical Institute, is the holder of aviation's highest international award, The Harmon Trophy. "

WORDS TO LIVE BY -by Mike Turner

This is Conrad N. Hilton's personal code for success. It managed to earn for him several million dollars, and maybe it'll work for me.

1. Find your own particular talent.
2. Be big
3. Be honest
4. Live with enthusiasm.
5. Don't let your possessions possess you.
6. Don't worry about your problems.
7. Look up to people when you can- down to no one.
8. Don't cling to the past.
9. Assume your full share of responsibility in the world.
10. Pray consistently and confidently.

But if one stops to think of it, every one of these items is difficult to live up to consistently. These ten rules may assure success, but it's ^certainly a big challenge to keep the rules. So a person is still only measured by the amount of effort he is willing to expend, no matter what his credo.

CARS, PLANES, BOATS, etc.

We'd also like to put in a column about cars and such. The column is up for grabs, and if you'd like to contribute weekly, we'll put you on the staff. There's lots of info that could be printed up- for instance, the drags at Master's field every week. And I've seen a sharp-looking Ariel Square-4 down by the dorms. What about that Triumph of yours, Al Kennedy? How about scratching up an article about the work you've done on it? Dennis Hajduk should have something to say, too. If Barge were still here, he'd give us a lot of news. Of course, maybe we couldn't print it, but maybe

we would anyway. We want a run-down on that Cherokee, Staffin, and also some talk about your next aircraft. Skip Burrell can tell some tales about SCUBA diving, and Bill Avery must be building another "Must-Prang". So let's hear about these things. They make good reading, (they also fill up lots of room in the paper) and articles like these create personal interest, and that's what sells papers. Concluding this article, I'd like to lament the loss of our two favorite students- and wish them the best of luck in their next crack at school. (Or should I wish the school good luck?) Anyway, Embry- Riddle is really going to miss Charlie and Al, owners and operators of C&A Collision Service. Frank and J. B. will sure miss them, too; since Charlie and Al were so helpful in keeping the dorms running smoothly and efficiently, (just like the rest of the school.)

TURNER'S COLUMN - by Mike Turner, asst. ed.

Don't Be A Quitter..

Are you one of those persons who says, "I quit." when the going gets rough? My deepest and profound sympathy! It seems that this idea of quitting- disease has spread itself enough to be noticed. Our school had a few problems last trimester that warranted an uproar from the student body, I'll admit. But rumors ran rampant, creating bitter, biased opinions against the administration. Actually, things weren't that bad if one would stop to think. But no, this is where the quitters showed their colors! They sponsored a "Bus-to-Northrop" fund, wrote diligently for catalogs and particulars to other schools, and even went so far as to pack early. The school has lost many students. Perhaps it's good and well they left. Because, if people will, in a sense, regroup the resources and fight harder, a feeling of self- satisfaction and accomplishment will be had.

I myself, feel that the school has had much improvement since last semester, and will undoubtedly ~~will~~ continue to have. But it's success depends a lot on you, as a student, to stick it out. Let's help the school reap greater things in the future- after all, it's our school, isn't it?

I would like to say that we of the paper are not trying for "brownie-points" with the administration. But we ARE for the school, and the students in general. Don't let our school suffer because of a few inconsiderates; we are the ones who will be hurt.

THE ASTRONAUTICAL RESEARCH SOCIETY

Subject: A. Organization changes

B. XRS-1 Research Sounding Rocket

A. Effective as of May 11, 1964, Bill Taylor will take over the office of President from Don Little.

Bill Taylor- President

"Skip" Burrell - Vice Pres. and Treas.

Don Little- Vice Pres. and Coordinator

Tony Wilson- Vice Pres. and Safety Officer

B. XRS-1 Research Sounding Rocket.

At present the XRS-1 is in the design stage. It will be taken up to, and through the static firing stage, but will not be launched. It will serve as a propellant test vehicle for the XRTRA-2, which in addition to being fully controllable, will have 100,000 ft. minimum height capabilities.

The ARS will soon have it's own room to begin full-scale drawings and equipment set-up. All students are invited

to join the ARS. The only prerequisite is a willingness to do a little work, and pull with the rest of the members. If interested, contact any of the officers named.

The ARS sincerely hopes all the members of the faculty will be willing to contribute some of their interest to this ambitious project. And a project report will be issued monthly. Thank you, Don Little.

A letter from our new Dean of Engineering:

All Members of the College of Engineering
Embry- Riddle Aeronautical Institute,
Miami, Florida.

Dear Friends:

Since arriving in Miami and coming to Embry Riddle in March, my life has been interesting and pleasurable. I consider myself particularly fortunate to be associated with a group of people engaged in the type of activity we are carrying on in the Engineering school. Our objectives are extremely worthwhile, and I am proud to be a member of this organization.

I look forward with much anticipation to the future of Embry-Riddle. Our possibilities for prosperity, reputation and interesting work are unlimited as long as we have the will to make accomplishments.

Once again, may I extend a sincere welcome to all the new members of the student body.

Good Luck,

Frank G. Forrest

The JETSTREAM thanks Mr. Forrest, and in turn welcomes him to our school. If you can get him aside sometime, welcome him in person. He's got some pretty interesting things to say, what with his experience flying "choppers" in Korea.

Anyone interested in joining the sailing club, get ahold of Mr. Sumrall. Sigma Phi Delta Engineering Frat. is pledging now, and if you're interested, look into it.

The bowling league is looking for more members, too. Get out and participate in some extra- curricular events. Engineering isn't the only enjoyment in life, you know. (oh, brother!)

And why doesn't someone see about organizing a camping trip to the Everglades National Park? It might be a cool week-end, especially if it's co-ed. (especially if it rains, too)

The JETSTREAM staff needs workers- if you're interested, see us.

Editor, Mike Abbruzze

Assistant Editor, Mike Turner

Reporter, Jim Dvorak