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Embry-Riddle Aeronautical University

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For those who haven't managed to receive the news yet, Stanley, Widak was elected as the new president to the S.G.A. It was a hard fought campaign all the way with Stan emerging as the winner. The campaign was run very effectively with Stan promising equality for all the students plus other points that the students have been discontented with. Stan and his team worked very hard with posters, speeches, and personal discussions with individuals. The results were a substantial victory over his opponent, Terry Owens. Congratulations on a victorious campaign, Stan, and keep up the good work.

FIRST V.P. - WEISER, PRESIDENT-WIDAK.

The Merrimac, Embry-Riddle's experimental air cushion vehicle, is scheduled to make its first test flight sometime this week. At press time it was not known whether the December 9th rollout date would be met. However, the vehicle is in its final stages of completion and the maiden flight could take place in a few days now.

Whether or not the Merrimac actually flies or not remains to be seen, but first flights are rarely a total success and are often total failures. Regardless of whether the Merrimac flies or not, its existence marks a milestone at Embry-Riddle in that it is one of the few physical projects ever to be completed here.

Under the direction of Dr. Ritchie and Mr. Loomis the Merrimac has been eight months in the making. All designing, building, and testing has been done by Engineering and AMET students enrolled in the AE-450 course which was designed for this purpose.

The completion of the prototype vehicle in no way marks the end of the project, but opens a number of doors for follow-up projects involving students and faculty from the various departments of the University. In a report written by Mr. Loomis for the Development Office concerning the potential of the Merrimac Project, he suggests:

"(Embry-Riddle) can assist in finding the answers to such questions of use, optimum size for given mission spectrums, and economic operation. In short, develop designs and methods of construction and operation to expedite the overall capabilities of this machine.

The maiden flight of the Merrimac is but the first step in what could be the most comprehensive endeavor ever attended at Embry-Riddle. The only thing lacking is the interest and cooperation of faculty, students and administration to keep the Merrimac flying.

Any person who thinks they might be interested in working on any phase of the project should contact either Dr. Ritchie or Mr. Loomis to find out what part they might be a part of.

CONTINUED PAGE 14
We'll Be Nice

December 11-18 has been declared a free return period. Any overdue books may be returned without penalty during this period.

Also, any books that may be in the dorms by mistake - not checked out, etc. - may be returned, no questions asked.

Please help us get all books returned by December 18.

Heyward W. Sauls, Jr.
Library Director

**********

Freebies

If you are looking for something free around Riddle (which is difficult to conceive of)- come Friday night to ERAU's first Pi-nata. Barbara Ahouse is busy getting Santa Claus ready for the occasion while Mrs. Stickles and Dr. Ballina are getting the other festivities organized.

Free refreshments, live music and hopefully, some Christmas spirit will start tonight at 7:00 at the Academic Complex.

All students, faculty and the administration and their friends are welcome.

**********

X-MAS CONCERT

The Seabreeze Senior High School Chorus and Ensemble will present a Christmas Concert Saturday night at 7:30 PM in the Seabreeze Senior High School auditorium. Featured will be the Ensemble Folk Singing Group and soloists from the chorus.

Refreshments during intermission will be served by the Seabreeze citizens.

If further information is desired, please contact Mr. Wil Middleton, 252-5567, Extension 43.

**********
Thanks a lot, Joey, for washing the kitchen floor so well that you washed the design right out of it!

We wish to extend to all students and faculty of ERAU, a fun-filled vacation and Happy Holidays.

* Beware the eighth wonder of the world - Ronnie Johnson and his bag of carpenter’s tools.

***********

**AlphaEtaRho**

**BY BOB DUDEN**

On this, the eve of our Christmas vacation, AHP would like to wish all our friends, relatives and the rest of the student body a safe trip home, a Merry Christmas and a bright New Year.

As this is the last issue of the AVION for the semester it is also my last chance to write for the many sins I have committed. First of all, I would like to congratulate Brian Welsblatt on his recent wedding, honeymoon and recovery. Brian tied the knot 3 weeks ago. Next a congratulations to Jeff Acker and Ed Briggs, who just turned the magic "21" and a final best wishes to Jim Frye, who returns with his Alocena, Mr. & Mrs., after Christmas. Now that I've partially cleared the slate and can be assured of not ending up as a pillar of salt, AHP will rest easily.

Upcoming this Saturday is our semesterly banquet. In force, we'll eat, drink and hand out a lot of awards, especially to deserving seniors. Tom Berg, Ed Johnson and Stan Podlasek are taking those big steps this week. Tom and Ed are off to fly big birds for Uncle Sam's Air Force and Stan is disavowing all previous commitments and becoming a full-fledged Daytona Beach citizen by working for Mapeco Inc. here in town. Best of luck, guys, and don't forget the Alumni Fund.

See you all Saturday at the Christmas Dance, but until then, take good care of yourself, AHP is looking for another pledge class. Good night, Bud, congratulations and do a good job!

***********

**Delta Chi**

**BY BOB ARGILLA**

The last part of the requirements to become a brother were fulfilled by Old Henry finally came through with a date with the help of Ruth. He was overwhelmed by her charms.

The activities of hell week came to an end Saturday with the Pledges finest hour. They showed great spirit and had a fine time. Congratulations go to Brett Spitalny, Jim Burchfield, Gary Plassman, Chase Bradley, and Richard Simmons. We are all sure they will be great assets to Pi Chapter.

Congratulations are also in order to brother Paul Rehder and Miss Kay Knight, who will be united in holy matrimony December 19. After three months of painting, they finally finished their kitchen. Go to it, Paul!

Congratulations also go to Brothers Denny Wall and Woody Van Why - two engineers just graduating into the hard cruel world of unemployment, profit, and love.

On January 15th we will be having our rush party. We hope that all the engineering students interested in a professional fraternity, stop by and find out about us.

We hope to have our retractable landing geared chariot repaired and put on public display in front of our house. We are sending our chief chariot pilot "Little Kid" Rubel back to Riddle Flight Training to gain more experience in gear-up landings.

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Sunday night the brothers of Sigma Chi Delta initiated the gamma pledge class into the fraternity, bringing the total number of brothers to 36 in just one short year. After the ceremony, a party was held in honor of our new brothers. We all had a good time and most of us had dates for the dance contest—even though the party was all stag. Brother Mike Busch whipped up some delicious ham and cheese sandwiches, orders, and chocolate chip cookies, which would be a credit to our fraternity. If you would like to receive a bid to our rusher, just ask any of our brothers. We all have been looking for promising new rushes of our brothers. We all have been looking for promising new rushes of our brothers.

Dick allop and Mike Busch carried the tunes long past midnight. But Don Osmundson stole the show with his spectacular stripper act. The Three Virgins (Sid Earning, Skip Beard, and Jim Patterson), also made a hairy first appearance. Last week the election of officers was held. The results were: Consul; Steve Avery; Pro Consul; Steve Foster; Treasurer, Ken Bordiing; Magelster, John Delafosse; House Manager, Tom Reid; Social Chairman, Mike Busch and Don Osmundson; Rush Chairman, Jim Patterson; Recording Secretary, Dave Wilkinson; Historian, Skip Beard. December 8, marked the first meeting of the Sigma Chi Alumni Association this trimester. Mr. John Smith, Dean of Students of all Florida provinces as well as representatives of the Orlando Alumni Chapter were present. For the past month, the brothers have been looking for promising new rushes of our fraternity. If you would like to receive a bid to our rusher, just ask any of our brothers before the December 18th deadline. Sigma Chi Delta operates on a closed rush system so you must have an invitation to be admitted. Scholastic requirements to attend are: at least one trimester at ERAU or a transfer student with the approved number of hours, and in good academic standing. This party is that's all for this trimester. You all take care of yourself and have a Merry Christmas and a happy New Year from the brothers of Sigma Chi Delta. See ya'll next year.
I...il...

This win gave the Vols a West in the Annual Tanger-points each and led the East to a win over the...fired up UCLA team, 28-17.

Riddle and Tim Olagbemiro East's defense half, and "...nough to win, 4-3. Congratulations, Felix, for outstanding play.

BASKETBALL

Florida Tech defeated the Eagles 101-85 last Wednesday night. Larry Schillings had 21 points and Larry Delli had 17. The Eagles play Massey Tech Thursday night. The Eagles came out on top in their last encounter with Massey. Here is hoping they defeat them once more.

COLLEGE FOOTBALL

The college football season came to an end last Saturday, and many players found their last game joyous while others were disappointed. All in all, it was some kind of a season. Texas ran at will against Arkansas, and proved their power with a 42-7 score. Texas has an awesome running attack and they really let it loose against the Razorbacks. I still wonder what happened in the UCLA and Baylor games as Texas did not win too impressively. Perhaps, this question will be answered on January 1st. LSU, smelling orange blossoms, slaughtered Ole Miss 66-6. Nothing, but nothing, could stop LSU from attending the Orange Bowl. I look for quite a battle in the South's top game as LSU goes against Nebraska.

Tennessee had to come from behind to defeat a fired up UCLA team, 28-17. This win gave the Vols a 10-1 season, which is their finest since 1956. Tennessee now faces Air Force in the Sugar Bowl and this should also be a terrific game. The only problem that exists is that there are so many games televised on New Year's Day that it will be difficult to decide which one to watch.

The final record for this column is: 176 wins, 90 losses, and two ties for a percentage of .658—not too bad for the first crack at prognosticating. To those of you who have followed this column, I would like to extend my thanks for your interest and your patience. Next trimester, I'll try to cover what is happening at the Speedway and perhaps have some good photos. May you and yours have a very joyous Christmas and prosperous and productive New Year. Drive carefully and arrive alive to enjoy the well-earned break.

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Foot... Cancelled

Stetson's Inter-Fraternity council was forced to cancel a proposed flag football game with the ER- AU IPC team due to the proximity of final exams.

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STUDENT FINANCIAL AID

Student Financial Aid at Embry-Riddle Aeronautical University offers a complete program of assistance to students needing aid in meeting their educational objectives. The financial aid office seeks to provide help for those students who would otherwise be unable to attend college.

The University Financial Aid Office is committed to equal treatment to students with regard to race, creed, color, or national origin.

Student Financial Aid assumes the responsibility for coordinating and administering the various aid programs available to students--loans, grants, and scholarships. This assistance may be offered to students singly or in various combinations.

Assistance is granted according to each individual's need in education in relation to estimated expenses of attending the University. Evaluation of need is determined through evaluation of the parents' or student's financial statement. The family of a student is expected to make a maximum effort to assist with the college expenses of the student. Financial assistance from college sources are viewed only as supplementary to the efforts of the family.

APPLICATION FOR AID

To become eligible for Financial Aid under the funds provided by the Department of Health, Education and Welfare, Office of...

CONTINUED PAGE...
The twenty-seventh regular meeting of the Student Government Association was held today in Room 108 with 32 members attending. The meeting was called to order at 12:15 by Speaker of the Senate Terry Owens; the minutes of the previous meeting were accepted as written unanimously.

Third Vice President. All 1971 parking stickers (faculty, staff, and student) will be issued in the SGA office from now through December 14. 1971 stickers must be displayed on returning students' cars no later than 72 hours after the start of the spring trimester.

RING SALES ARE UNDERWAY IN THE SGA OFFICE.

Conduct and Grievance. Complaints have been heard that Sands has not kept its promises for better maintenance of the machines, more variety at the snack bar, etc. It was pointed out that a minority of students have prevented the student body from keeping its end of the bargain by continuing to put slugs, catsup, ice cream, etc., in the machines.

Dorm. Sue Peck reported that the open-housing petition is in Dean Spears' office. The Dean is awaiting a representative of the Dorm Council to discuss the problems with himself and Mr. Stone. The administration will consider making changes, provided someone can offer a workable solution to the problem of underage guests and the trouble they can get into.

Facilities. In regard to student pilot liability, Ralph Dietz reported that the school carries accident coverage up to one million dollars per person. The only time the student is liable is if the damage is done on purpose (sabotage, etc.)

Food Service. In answer to complaints about Sands, it was stated that the machines are checked for sanitation and malfunction at least twice a day, and the route man services the machines three times a day. Dean Spears has stated that if students continue to put slugs, ice cream, etc., in the machines, the machines will be taken out. A copy of the Florida State Board of Health requirements for vending machines will be on file in the SGA office.

Jan Nelson remarked that if the machines are serviced, cleaned, and filled as often as is claimed, it's invisible to most students. Dan Smock's motion to recommend to the administration that the Chuck Wagon be permitted to come on campus, to determine if the Sands Company would actually leave, was defeated, 7 for, 13 against, 7 abstaining.

Publications. Gary Anderson reported that the AVION is looking into the possibility of installing newstands at the new campus. AVION elections will be held December 9 at 12:30 in the AVION trailer. Guidelines for reporters and other staff will be drawn up over the Christmas break.

PHOENIX. An organizational meeting will be held this evening at 5 pm for further assignment of duties. A publisher has been chosen, and the office is being set up for the PHOENIX '71. (The PHOENIX '70 only recently vacated the office.)

Social Functions. Senators are asked to personally remind faculty members that they are invited to the December 12 Christmas Dance. The dance will be at the Desert Inn, beginning at 8:30. Entertainment includes the Oxford Blue, the Rhodes Brothers, and Santa and Mrs. Claus.

Old Business. All 36 Senate seats will not be open in January, as was previously thought. There will be only 12 openings.

New Business. The question was raised if dorms must have fire drills. Dorm II does not, since it is an apartment-type structure with separate exits from each unit; Dorm I has fire drills on the average of once a month.

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The twenty-eighth regular meeting of the Student Government Association Senate was held today in Room 108 with 28 members attending. The meeting was called to order at 12:20 by Speaker of the Senate Terry Owens; the minutes of the previous meeting were accepted as written unanimously.

Conduct and Grievance. Dan Smock stated that the Constitution requires the President to call a Board of Managers (Executive Board plus Committee Chairmen) meeting once a month, and that this has not been done this trimester.

It has been announced that students wishing to reside in the Dorms during the Christmas break may do so for $2.50 a day, or $20 for the entire vacation. Since many dorm students regard their apartments as their home and are already paying a substantial rent while school is in session, a motion to recommend to the administration that the policy of charging rent over the break be discontinued was passed unanimously.

Dorm. Dorm Council President Dan Smock has met with Dean Spears in regard to the sign-in policies at the dorm. The Council has been assigned the task of coming up with ideas and recommendations for solving the problem of underage guests.

Food Service. Nineteen complaints, many of them worthwhile and a few of them utterly asinine, have been turned in so far and have been forwarded to Mr. Gervase.

Publications. Gary Anderson read a letter from the seventh and eighth grades at Campbell Junior High, requesting assistance in their "Bring a Soldier Home for Christmas" campaign. A motion that the SGA donate $25 to this project was passed, 19 for, 1 opposed, 6 abstaining.

Social Functions. All faculty and administrative personnel are welcome at the SGA CHRISTMAS DANCE, 8:30 pm, December 12, at the Desert Inn. Dress is coat and tie. This is not a strictly hard-rock affair--the Rhodes Brothers' act appeals to many tastes and age levels.

Student Relations. At their regular monthly meeting last week with Dean Davis and Mr. Harrs, the Student Relations Committee discussed instructor evaluation. Dean Davis seemed to be in favor of the idea. An evaluation sheet has been decided upon, but control and review methods have not yet been completed.

Old Business. Dave Harvey stated that the SGA President has not submitted an SGA budget as was requested in Mr. Harvey’s motion two weeks ago.

New Business. A motion to donate $25 to the ERAU Veterans’ Wives’ Auxiliary as requested to help defray expenses of the Christmas party they are holding for Project Headstart children was passed, 21 for, 1 opposed, 4 abstaining.

Ralph Dietz asked if the Air Traffic Control training program will be offered at ERAU. Terry Owens replied that, as he understood it at the moment, no, it will not.

Approval seems to have been given for a new athletic field.

A motion that election policies be reviewed and presented to the Senate was passed unanimously and sent to the Coordinating Committee.

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Mr. Stone stated that the Dean of Students would like to have the AVION budget by the middle of January. Also, the Publication Board would like to have two student representatives meet with faculty members to work on the policy on student publications—Gary Anderson and Jerry Nichols volunteered.

This is the last meeting of the fall, 1970, trimester. Speaker of the Senate Terry Owens turned over his gavel and his copy of Robert’s Rules of Order to Vice President Stephen Avery. For the first time in a year, Mr. Owens was allowed to vote on the motion to adjourn at 12:50.

TREASURER’S REPORT

November 16 Balance 7088.81
17 Check 1363 - J. Rinkle - secretary (two weeks) 60.00 7028.81
17 Check 1364 - C. Sherr - expenses incurred during September 26 barbecue 41.84 6986.97
Check 1365 - C. Sherr - expenses incurred for Halloween Dance 36.00 6950.97
Check 1366 - Beyer and Brown - 30 records 19.50 6930.47
20 Check 1367 - Dunn Lumber - materials for booths for November 21 barbecue 10.41 6920.06
Check 1368 - Wolcott Paper Company - plates, forks, etc. - barbecue 34.12 6886.29
Check 1369 - Danes Bread - buns - barbecue 42.12 6844.17
Check 1370 - City Provisioners - hamburgers, hot dogs, for barbecue November 21 314.37 6529.80
Check 1371 - Knott’s Distributors - beer 284.50 6245.30
Check 1372 - The Drambuie - entertainment 150.00 6095.30
Check 1373 - United Rent-all - speakers 10.40 6084.90
Check 1374 - Skip Randall - entertainment 25.00 6059.90
Check 1375 - Bill’s Thriftway - potato chips 13.68 6046.22
30 Check 1376 - T. Miner - presidential salary, fall, 1970 trimester 120.00 5926.22
Check 1377 - North Shore Plastics - award plaques 266.50 5659.72
Check 1378 - Al’s Trophy Shop - plaques 20.37 5639.35
Check 1379 - C. Sherr - expenses incurred, November 21 barbecue 152.36 5486.99
Checks 1380 through 1390 - work at barbecue - Hoppel, Snock, Bording, Frye, Mach, Barling, Briggs, Amstutz, Fosse, Hunter, Shanholtz 63.00 5423.99

CONTINUED NEXT PAGE
E-RAU STUDENT WINS KARATE CHAMPIONSHIP

BY JOHN CONKLIN

Joe Dillon, a blue belt from Collyer's School of Self-Defense, and a member of the E-RAU Karate Team, won first place in green belt division kumite (fighting), at the Seventh Annual United States Karate Association Grand National Championship, at the North Miami Beach Auditorium.

Although Mr. Dillon has won two other trophies, this was his first experience in competing at green belt level. Out of forty blue, green and purple belts entered, Mr. Dillon using a seiken gyaku (reverse punch) and an almost impenetrable defense fought his way through the elimination to the finals.

In the finals, Mr. Dillon beat his first opponent with two seiken gyaku tsuki and uraken (backfist) without being scored upon. In the second match for the championship he used seiken gyaku-tsuki to the head of his opponent for the only point scored and the championship. Mr. Dillon was presented a beautiful trophy, a free trip to Freeport, Bahamas and a promotion to green belt by sensei Don Collyer (2nd degree Black Belt), USKA.

It is hoped that this article will stir some interest in the administration as to the possibility of getting support to organize an intercollegiate Karate team within the framework of the athletic department. We feel this would benefit the student and the school by stimulating interest in athletics and carrying the name of the school to College Karate Tournaments. Most colleges offer Karate as a credit course. The Karate Club feels that the administration should at least CONTINUED NEXT PAGE

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FOLLOW THESE EASY INSTRUCTIONS TO THE SEAPLANE BASE. MOST OF THE ROAD IS INTERSTATE. ABOUT 100 MILES. TIME ABOUT 1:45. LEAVE DAYTONA ON I-4. TURN OFF I-4 AT THE LAKE ALFRED-WINTER HAVEN EXIT. PROCEED SOUTH TO US 92 (WEST). STAY ON US 92 UNTIL YOU PASS THE WINTER HAVEN AIRPORT. TURN LEFT AT THE SIGN FOR THE SEAPLANE BASE.
WHAT CHRISTMAS MEANS TO ME
BY EBENEEZER ANDERSON

Christmas is driving down Beach Street and running into a panel truck because the red light is disguised as Rudolph’s nose.

Christmas is watching the Thanksgiving parade and hoping that Donald Duck will float away.

Christmas is going home so your parents can spend two weeks telling you what a failure you are if you decide to stay 3 weeks.

Christmas is being lured into a dark alley and being mugged by a Santa Claus who has promised to introduce you to an eighteen year old female elf.

Christmas is a TV commercial that features Joe Kapp and the Virgin Mary endorsing a can of Right Guard.

Christmas is getting your grades.

Christmas is getting your expulsion notice the day after your grades.

Christmas is getting your draft notice the day after your expulsion notice.

Christmas is getting a letter from your church saying that the electric bill has been doubled by the 50 foot neon nativity scene and that you’ll have to up your pledge because the bingo proceeds wouldn’t cover the bill.

Christmas... give it back to the sheperds. They’re poor enough to afford it and humble enough to appreciate it.

KARATE CONTINUED

offer PE credit, since Karate is far more than a sport. It is essentially a discipline of the mind, body and spirit.

The ERAU Karate Club meets Tuesday and Thursday at 702 North Ridgewood Ave from 7:30 to 9:00 in the evening. Any student interested, both male and female, please contact J. Dillon, ER Box 231.

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VOLUNTEERS ANYONE

TO: THE AVION
RE: MENTAL HEALTH OF COLLEGE STUDENTS

FROM: THE AMERICAN INSTITUTE OF FAMILY RELATIONS, 5287 Sunset Boulevard, Los Angeles, Calif. 90027

One of the serious problems in college and university life today is the lack of attention to the personality needs of the students. Suicide is the second most common cause of death on the campus, topped only by automobile accidents; but those who have studied the subject believe that half of the latter are "concealed suicides"; thus suicide actually leads the list. Dr. Howard A. Rusk of the New York University Medical Center collected estimates that 90,000 students each year will threaten suicide, one in ten will make the attempt, and that there will be 1,000 actual deaths resulting. Beyond this, he calculates that among six million students some 600,000 have emotional problems for which they need professional assistance. The National Institute of Mental Health finds that "the factor of human isolation and withdrawal" appears to be critical; and the colleges recognize the serious problems created by these "longer" and are trying to provide help but admit (in hundreds of letters to us from deans) that they do not have adequate solutions.

This waste of some of the nation’s finest young people is intolerable. Since for every actual death, nearly a hundred have felt so desperate as to
SAFETY TIPS FROM SID

Recently I witnessed two pilots preparing themselves weather-wise for a cross-country flight. One studied all of the available data for the proposed route, including forecasts, weather in areas that he might end up in the event of any changes of the flight plan. The other pilot spent about 5 seconds trying to drag information out of the Weather Bureau personnel, or more correctly, trying to get the people to tell him what the weather going to be, and then with a careless flick of the charts, strode out to his aircraft.

Fortunately, both flights were uneventful except that the first pilot hit his ETA right on the button and the second didn’t. The weather planning aroused my attention, mainly because it is so vitally important to flight and also because it happens to be one of the most neglected areas in Aviation.

Most pilots don’t fully understand the Weather Bureau and consequently, tend to neglect articles that are extremely valuable. Let’s start our discussion of the weather bureau by a look at the characteristics of forecast products.

Just how good are our forecasts and services? A pilot should understand the limitations as well as the capabilities of present-day meteorology. Otherwise, he may request the impossible while overlooking the attainable. The meteorologist understands some atmospheric behaviors and has watched them long enough to know that his knowledge of the atmosphere certainly is not complete. Weather, when compared with some other sciences, is quite young despite spectacular progress in recent years. It is much less exact than anyone likes.

Complete faith in weather forecasts is almost as bad as no faith at all. Pilots who understand the limitations of observations and forecasts usually are the ones who make the most effective use of the weather forecast service. The safe pilot continuously views aviation forecasts with an open mind. He knows that weather is always changing and consequently, that the older the forecast, the greater the chance that some part of it will be wrong. The weather-wise pilot looks upon a forecast as professional advice rather than an absolute surety.

RELIABILITY OF FORECASTS

Forecast accuracy stems from what we know and what we measure. These two limitations determine the reliability factor of various weather situations, detail and changes with time. It is important to remember the forecast accuracy decreases with increase in time since forecast issuance. Also remember that the forecast must consider a complex combination of many factors. Information on many of these factors may be partially or completely lacking.

LIMITATIONS OF AVIATION FORECASTS

Recent studies of the aviation forecasts indicate the following: 1. up to 12 hours and even beyond, a forecast of good weather (ceiling 3000 feet or more and visibility 3 miles or greater) is much more likely to be correct than a forecast of conditions below 1,000 feet or below 1 mile.

2. However, for 3 to 4 hours in advance, the probability that below VFR conditions will occur is more than 80 percent if below VFR is forecasted.

3. Forecasts of single reportable values of ceiling or visibility instead of a range of values imply an accuracy that the present
forecasting system does not possess beyond the first 2 or 3 hours of the forecast period.

4. Forcasts of poor flying conditions during the first few hours of the forecast period are most reliable when there is a distinct weather system, such as a front, a trough, precipitation, etc., which can be tracked and forecast, although there is a general tendency to forecast too little bad weather in such circumstances.

5. The weather associated with fast moving cold fronts and squall lines is the most difficult to forecast accurately.

6. Errors in forecasting the time of occurrence of bad weather are more prevalent than errors in forecasting whether it will occur with a span of time.

7. Surface visibility is place. A teacher of ecology, for example, not only needs a Ph.D. in biology, but also some postgraduate study in several other disciplines including economics, climatology, and urban studies. A doctorate also can be a useful tool in teaching the physical sciences and certain other subjects, such as economics and history.

In many fields, however, it not only is unnecessary; it may be a positive handicap. Witness those hapless wretches who earn Ph.D.s in English literature. Their ordeal, coupled with years of exposure to the Publications of Modern Language Association, frequently cripples their prose style for life so that they are unfitted for anything except teaching another generation of Lit. students and writing criticism for nonpaying journals. Curmudgeon has no place for these self-named scholars. We do, of course, encourage our students to read and enjoy literature, but not in class; it is properly a leisure-time activity, like listening to music, making amateur films and chasing girls.

Our only English courses are designed for undergraduates who hope to become professional writers. They are taught by men who have made their living in the grade for at least ten years; none ever had time to get a Ph.D. because they were too busy writing novels, biographies and magazine articles.

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Most of our other departments also are staffed with Old Pros. Political Science is taught by retired mayors, governors, and senators; public administration by high-ranking civil servants; business administration by seasoned executives who once managed their own firms with indisputable success.

We also feel free to ignore the traditional departmental boundaries, which often are as anachronistic as feudal baronies - and as stoutly defended by the faculty who man them. We are now in the process, for instance, of merging our political science and economics courses into a single department of Political Economy, on the grounds that economics is all about: "Who gets what, how, and, from whom."

The new department also will include all courses on city and regional planning. This subject has fallen into disrepute on most campuses because it traditionally has been an adjunct of the School of Art and Architecture. Its graduates were trained to draw lovely maps and sketch monumental buildings, projects, which almost invariably came to nothing after they left home and returned to their cities' economic and political realities. Thus the filing cabinets of bureaucracy from coast to coast are filled with plans that never had a chance, forgotten by everybody except the heartbroken aesthetes who drafted them.

The few plans that actually have been carried through with some success were conceived and put into operation by men of a different breed. They are money men, with their hands on a spigot which contains the flow of public funds. Often they are budget officers, with desks next door to the mayor or governor whom they serve. Sometimes they are bureaucrats who direct the hoses carrying federal money to local communities - as in the case of the Appalachian Regional Commission, which probably has produced more effective planning than any other agency in America. For the heart of any plan lies in capital investment: the decisions which fix priorities, and also release money to build a highway here, a housing project there, a sewage treatment plant somewhere else. Basically, such decisions are both political and economic, and the men who make them will not long survive unless they are skilled in political economy. They should, of course, be advised by architects, and by economists, engineers, and a lot of other specialists - but they themselves are specialists only in the public business. For the Acropolis we have to thank Pericles, a politician. Who now remembers the names of the architects he hired?

If this college can produce even a small-size crop of such men, we shall regard this experiment as a success.

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INTERNATIONAL RELATIONS CLUB

The International Relations Club, Inc. of Volusia County exists for the purpose of promoting international understanding through a people to people and person to person program. One part of this program is the encouragement of families to establish a "home away from home" for students from other lands during their matriculation in Florida and especially in Volusia County, Florida.

At the present time, there are over 150 foreign students enrolled on the campuses of Bethune-Cookman, Daytona Beach Junior College, Embry-Riddle and Stetson with over 35 countries represented.

The Christmas holidays are fast approaching. Because the travel distance to their homes is so great most foreign students will have little to do except watch TV. This offers us in Volusia County, the opportunity to practice good old fashioned American hospitality. It also affords us the opportunity to learn more about foreign lands first hand from intelligent, industrious young people.

If any of the people in your organization are interested in hosting one or more foreign students, please contact me at the following address:

Dr. Arsenia Cabotaje
Bethune-Cookman College
Daytona Beach, Florida

Hosting can involve a single meal, several informal get-togethers or even a live-in. The extent of involvement is strictly a personal decision.

Best wishes for the holiday season,

DR. ARSENIA CAROTAJE
PRESIDENT-INTERNATIONAL RELATIONS CLUB, INC.

ALUMNI

W.O. Larry Marciniak received an air medal and Bronze Star Citation in Vietnam in July and August.

Larry is a helicopter pilot with the 17th Air Cavalry, U.S. Army.

He attended ERAU from 1967 through 1968. Larry's home is in Genesee, New York, and his wife lives in Texas.

**********

FOR THE FINEST IN FASHION WEAR

VISIT OUR "IN" SHOP

HATHAWAY & ARROW DRESS SHIRTS
LONG POINT COLLARS
FRENCH & TWO BUTTON CUFFS
FLAIR BOTTOM PANTS

SOLIDS - PATTERNS
SMARTLY STYLED JACKETS - LEATHERS - CORDUROY - WOOLS
BODY SHIRTS
HART, SCHAFFFNER & MARX
CLOTHES

Squares
MINT WEAR
130 North Beach Street
DAYTONA BEACH, FL 32114
to threaten it, much light
could be thrown on the
subject by learning what
factors enabled the fortu-
nate ones to work out of
their difficulties and
keep going.

With the help of a
friend who is vitally in-
terested in this subject,
the American Institute of
Family Relations is car-
rying out a nation-wide
study of what is being
done and what could and
should be done. We need
to hear from the many stu-
dents and former students
as possible who have faced
such a crisis. What pulled
them out of it? Was it
aid furnished by the col-
lege or university? or
other community organiza-
tion? or by a friend? or
religion? or reading? just
how did they save them-

We will not publish the
names of any individuals
or groups unless the informa-
tion will be handled sta-
tistically and anonymous-
ly. If you can call the
attention of your readers
to this, we shall be glad to
ask for volunteers who will write
their experiences to me
("personal") at the above
address, it may contribute
toward saving valuable
lives.

Cordially yours,
Paul Popeneo, Sc.D.
President

************

PROJECT MERRIMAC
CONT. FROM PAGE 1

ble to play in this educa-
tional drama. Chiefs as
well as Indians are invit-
ed to participate in any
way possible to make this
experiment a success.

The individual and o-
overall benefits of the
Merrimac project are inu-
merable and encompass a
good many of the ideals
and purposes that the pop-
ulation of Embry-Riddle
have dedicated themselves
to in Aviation, Management
and Engineering.

Specifically, ERAU pro-
poses to undertake a de-
sign study to bring forth
the questions and answers
involved with the design
and operation of a small
to medium class vehicle.
This design will include
a preliminary market sur-
vey, propulsion study, op-
timum shape and configura-
tion study, single to
short run production tech-
niques, operation and sup-
port requirements, and de-
termination of limita-
tions."

Mr. Loomis goes on to
explain how each part of
the design study could
be handled by the various
departments. For instance,
the A&P department would
be called upon for con-
struction and modification
of propulsion and airframe
units. The Management de-
partment would be in
charge of making the mar-
keting survey and develop-
ing the economic feasibil-
ity of production and de-
velopment. Of course,
the Engineering department
would be faced with the
job of designing and test-
ing components and modi-
ifying the existing vehicle.

Another possibility is
a study of requirements
for "pilots" of air cush-
ion vehicles by the Air
Science department. At
present, pilots must be
certified by the FAA and
it would seem practical
for those students and fa-
culty in the Air Science
area to make a study of
the actual operation re-
quirements and propose a
set of test and operating
regulations for ACV pilots.

The list of possible
projects goes on, but the
point is made; the Merri-
mac offers to Embry-Riddle
a golden opportunity to
give its students the
chance to put their com-
bined talents together in
a practical undergraduate
endeavor, and it offers a
tremendous chance for ERAU
to enhance its name and
image in the Aerospace In-
dustry.

FINANCIAL AID CONT'D

Education, (Educational Op-
opportunity Grant, National
Defense Student Loan and
College Work Study), a stu-
dent parent or guardian
must complete a Confiden-
tial Statement and forward
it to the College Scholar-
ship Service for analysis
and subsequent return to
the financial Aid Office.

All federal financial
aid programs except the
Federally Insured Bank Loan
require an assessment of
financial need.

To continue your eligi-
bility in the H.E.W. pro-
grams, applicants are re-
quired to re-submit a Stu-
dent's Confidential State-
ment or Parents' Confiden-
tial Statement Form to the
College Scholarship Service
each year—no later than
May 15 to renew your eligi-
bility for aid for the aca-
demic year beginning the
following September (May 15
1971 for the 1971 Academic
year).

Receipt of an award does
not mean that it is automa-
tically renewed for subse-
quent years. Every effort
is made to see that the a-
wards are renewed; however,
the student's or parent's
financial condition, and
certain other criteria must
be considered.

To be considered for fi-
nancial aid, the applicant
must: be a full-time stu-
dent, be in financial need,
make normal academic pro-
gress, and be of good char-
acter and citizenship. Al-
though an award cannot be
made until an applicant has
been accepted for admission
to the University the ap-
licant should not wait for
notice of acceptance, but
should apply as soon as
possible.

CONTINUED NEXT PAGE
While funds may actually be advanced to a student only after he is enrolled, commitment of a loan may be made to an eligible applicant who has been accepted for enrollment.

The maximum amount that may be loaned to an undergraduate for any one academic year is $1,000.

Normally, repayment with interest at 3% will begin ten (10) months after the borrower ceases to be a full-time student. Interest charges do not begin until payments on the loan are due to begin. Repayment and interest charges may be postponed as much as three years if the borrower is subsequently serving in the Armed Forces of the United States, the Peace Corps or Vista.
AVION REPORTER AT WORK

ITS FREE, HAVE ANOTHER

CRAP, I WANTED A 21 KARAT ENGRAVED PLATINUM WATCH AND A SCHOLARSHIP TO HARVARD.

SENIOR WIVES GATHERING

ONE MORE FOR THE ROAD

AND THERE I WAS, LISTENING TO BOB HOPE SING "THANKS FOR THE MEMORIES."

AC-DC

BY HEIMDALL

JUST MARRIED
DEAN BUCKS

"Twas the night before Christmas
And all through the school
Not a student was studying.
So let's build the pool."

Your bill, payable anytime
before tomorrow, follows:

Tuition... $$
Flight... $$
Dorm... $$
SGA... $$
Misc... $$

Merry Christmas
Dean Buck$'

The opinions expressed in
this paper are not necessarily those of the University or all members of the Student body, nor do letters appearing in the AVION necessarily reflect the opinion of this newspaper.

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Co-Editor......Don Nichols
Business Mgr....Jan collins
Lay Out......Dixie Francis
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