**Mean Machine Falls To Devastators In Field Day Events**

By Jim Zoeller
Staff Writer

"The Devastators are here to stay!" dorm head resident Mike Geisinger proudly stated after he had announced the Royal Scottian Inn Mean Machine in November 1977's field day event.

The weather was beautiful as the homecoming event kicked off the day's activities. In doubles, the Mean Machine took on the Mean Machine in singles by winning two straight games to pick up two points. The Devastators claimed one point by winning the singles match.

The dorm's singles ping pong player, Jim Zonbeck, made a grand entrance into the arena wearing a very colorful and dark sunglasses. He was closely followed by his bodyguard dressed in a black suit and topcoat, who was carrying a guitar case which held the "golden" paddle. Zonbeck turned to proceed to win two games, shocking up another point for the dorm. The Devastators also won the doubles match for two more points.

Futuristic competition and lots of action took place in the volleyball event. There was a great deal of spirited competition and charging as both teams exchanged spikes. The tension and excitement mounted as the third game progressed. Pulling ahead, the Devastators picked up the six points as they let out their battle cry: "I said 'WHO ARE GONNA DEVASTATE!' MEAN MACHINE, MEAN MACHINE!!" Bill's head resident, Dan Furrich, commented, "Our volleyball team just got together and wasn't able to get much practice, but we gave them a little more of a fight than they expected."

A great team effort was demonstrated on the part of both teams.

The weight room was crowded as the Devastators won the pullup and bench press competition. The event was split by the Mean Machine gathered the other two points in the relay game and leg press. Some of the competitors were so psyched that they lifted entire stacks of weights after the event.

Next came the outrageously funny "Anything Goes" events. The first consisted of assisting each competitor with a monstertruck, volleyball, and an inflatable. Each team rolled its tube down to a hut where the competitors had to place their hands on "the Quirky hat" and spin around for ten revolutions. Their turn generally proceeded to fall on the ground while trying to pick up the volleyball, and begin "singing" their inner love song back to the starting line. Once on their feet (hurray!), they "wobble" their sides in the general direction of their teammates and often directly into the laughing crowd. The Mean Machine came in first place in this hilarious and enjoyable event.

**FREE SYMPHONY TICKETS**

Are you interested in hearing the symphony? The Vagr and the ESA Board of Visitors have Symphony tickets that are free to ESA students on a first come, first serve basis. The first performance will be held on December 18 at the Auditorium in Daytona Beach. If you are interested, please sign up with the Student Activities Office. You can pick up the tickets at this office on the day of the symphony.

**ATTENTION:**

All those interested in programming social events for next semester, please attend an informal discussion in the Conference Room, Wed., Nov. 29 at 8:00 p.m.

**SPECIAL SPEAKER:**

Monday, December 5 at 2:00 p.m. in Room 409 C, the Chief Umpire in the National Baseball League, Harry Wrotenford, will be giving a talk on "Staking Instant Dinner Under Pressure." The talk is open and free to all interested people.

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**Captain Scribner To Speak Here**

Captain Kimball J. Scribner will speak to ERAU students, faculty and staff on Monday, Dec. 5, 1977 at 8:00 p.m. in the University Center Dining Area. Capt. Scribner will have a slide presentation on the topic "Adventures in Flying." Captain Kimball Scribner became the first civilan pilot to fly as a Pan American Airways copilot. The eighty-one hundred people with him had flown a long and rewarding career when he healed at New York with Pan Am's 202 from Rio de Janeiro.

In the years between, Scribner has logged an outstanding service record both for the Airline and the Dayton Beach community.

Scribner, 60 years young, retired from Pan Am in one of the air carrier's highest ranking master 747s. He has commanded Pan Am airlound, ranging from the "flying boots" of the 1940s to today's huge Boeing 747 "Jumbo" jet.

Captain Scribner is a member of the Explorer's Club of New York and appeared before the Reader Digest Foundation as a speaker. He was interviewed by Lowell Thomas, Honorary President of Eastern Airlines, to interest the directors of the Foundation in funding a youth student exploration project that resulted in many high school and college students being transported throughout the world to actually participate in exploration field projects.

All students, faculty and staff are invited to attend and hear Captain Scribner on Dec. 5th.
The Avion Staff

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CARTRIDGE
FACULTY ADVISOR
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The Avion. Photographs by Mark Shumway.

December 8, 1977

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DELTA CHI

By "fly" Lee

Sunday night we held elections for new chapter officers. Con-
sciousness goes to Jim Dyllen as "A", Bill Gregory as "B", Dan
Piper as "O", John Mark Keenan as "Q", and Jim Wat- 
son as "R". Anyone who was interested was free to enter.

The Thanksgiving weekend would have been a great time to hit the books for the final two weeks of the trimester. Many of the brothers and pledges were away for the weekend, visiting family and friends, some fortunate enough to at-
tend the classic Army-Navy game. But for those of us who remained, we stuck down hard and turned out to be a great weekend. On Friday afternoon, we had the annual Delta Chi Basketball game. The Little Sisters cooked as three huge sausages with all the trimmings and a little wine was the meal. After completely stuffing ourselves, we moved out back and sent out for some more wine. Everyone was drinking and talking into the night before we decided to move the party over to the Delta Chi House. There we finished the evening out back before we ended the night. Thanks to all the brothers for a super Thanksgiving dinner.

For those who may not have been able to attend the Chan- 


ter Auction party two weeks ago, it was better than anticipated and 

to be talked about for quite a few days. Congrat- 

ulations to all the pledgers on picking up all those con- 

tractions. Everyone did a great job and also successfully making it through the weekend lecture.

The following two weeks, the brothers of Sigma Chi have two special events planned. First, just 

by a few days, we will have the annual Thanksgiving dinner where we will all gather out to eat and play games. Many alumni from all over the world come back every year to help celebrate the brothers and sisters of Sigma Chi. It's our way to close the year out back and after it, we will be looking forward to next year and the perfect way to close to finish off the chapter.
In the last article we examined the new D419 program from the administration view point. In this article we will present and comment on the students' views.

The majority of objections to the new program have been voiced by the students in the D419 majors and centers around the fact that they feel they are being short-changed. In exploring their feelings, I found that a feeling exists that the examiners themselves are too much in the background. In the last two years, approximately 700 students have been examined, yet out of 1,000, the same examiner examined both students, and it is of the examiners considered to be easy. Mr. Olson pointed out that the FAA has been criticized of this low failure rate and would like to see the pass failure rate in line with that of written exams.

The other, and perhaps more important aspect of this is personality conflict between the student and examiner. It is this point which all students mentioned.

In conclusion, the majority of students are interested in the new program. As of this writing, the majority of the department members are satisfied with the status quo, but are concerned about the possible culling of students from the program. As of this writing, the majority of the department members are satisfied with the status quo, but are concerned about the possible culling of students from the program.

Aeronautical Engineering Dropout Rate

By Mark Shomway

Staff Writer

The Department of Aeronautical Engineering at the University of Michigan has a dropout rate of quite a high drop out rate. Donald J. Ryan, who is the head of the engineering department, has stated that the department has an average of 32 students drop out of every 100 students initially enrolled. This number has been consistent for the past three years.

When asked why many students drop out of engineering, Mr. Ryan stated, "The main reason is that a large number of students go into the program with unrealistic expectations. They do not understand how difficult engineering is, and how much work is involved."

Ryan stated that because of the drop out rate, the department has been working to improve the student services. "We have added new programs to help students who are experiencing problems, and have increased the number of counselors available to students."

Ryan also stated that the drop out rate is consistent with other engineering programs in the United States. "The drop out rate is a nationwide problem, and the department is working hard to improve the situation."

Ryan concluded by saying, "The department is committed to providing the best possible education for its students, and is working hard to improve the student services."

Safeway Representation

WILLIAMSBURG, D.C., Nov. 17, 1977. A new Safeway clinic program was launched today, with a premier showing at the National Air and Space Museum. The program, which is part of the Manufacturers Association (MA), consists of a series of classes, each consisting of fifteen (15) members and led by an independent examiner.

The program was designed to provide a way for members to learn about the operation of the Safeway service, as well as to provide a forum for members to discuss issues of mutual concern.

A Safeway representative, Mr. Collins, directed the National Air and Space Museum. In opening remarks, he stated, "The program is designed to provide a valuable service to our members, and we look forward to its success."

The program consists of three parts:

1. The first part of the program is an orientation session, which includes an introduction to the Safeway service and an overview of the program's goals.
2. The second part of the program is a series of classes, each consisting of fifteen (15) members and led by an independent examiner.
3. The third part of the program is a special event, which is designed to provide a forum for members to discuss issues of mutual concern.

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DORM-RSI Challenge

Bowl to win the 12 points for making two out of the three events.

In the 100-yard dash, the Devastators won two races out of three. However, the RSI came in first place in the mile run race with a second place and third place. Some very competitive games were played in the tennis match. The team competed in doubles for nearly 90 minutes, all but declaring three closely matched doubles.

Not only will you have the opportunity to play this fine course and a bit of camping at this week's winning EMBRYS, but you'll also have a chance to win some money and additional prizes! The contestants capture a prize of $1,000 for men, women, junior and senior.

Take a break and do something different this Christmas. Enter the RSI River KDA, Friske South Christmas Classic. Be sure to enter by Dec. 15 ($10 pm., $5 at door) or to get more information write or call Friske South, FAY (Newmarket Dr., RRS, Endicott, Ala. 35501, (205) 323-2775)

WHERE: RSI River KDA.
WHEN: December 17-18, 1977

Next year you could be on a scholarship.

An Air Force ROTC two-year scholarship day was held recently when you get your start as an Air Force ROTC student. After college, you'll receive a commission in the Air Force... go on to additional, specialized training... as you get your start as an Air Force ROTC student.

Captain Richard H. Merliss
Embry-Riddle Aeronautical University
Daytona Beach, Fla. 32114

RIFLE SPORTS

By Jim Zunard Staff Writer

FRITGE Golf is an exciting, challenging new game that has suddenly gained popularity over the entire country. We are so fortunate here in the southwest to have one of the most beautiful Prince Golf Courses ever developed, complete with the newest technology in Prince Golf, the Disc Fairi Hole. This 18 hole course is located in the heart of southern California, 115 miles between Palm Springs and Mobile Ab. at the St. River KDA.

Not only will you have the opportunity to play this fine course and a bit of camping at this week's winning EMBRYS, but you'll also have a chance to win some money and additional prizes. The contestants capture a prize of $1,000 for men, women, junior and senior.

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BOWLING

By Bob Speerand

As the trainer for vanity sports, Bob spends basically looks after the medical fitness of the team. "I take care of the team, help in the physical problems like sprains, broken bones, and taping before games," Speer said.

Spencer pointed out that his team is housed at Stanford, Connecticut, and is a junior at the University.

Spencer said that he's been a part of the American scientific program. Spencer has been a part of the project for four years, and is a Florida State Certified Emergency medical technician as well as being a Florida State Office EMT for four years. Comments about the team, he said, "I've watched the team for three years and the team looks ready to go in the conference the last two years. The team has more spirit than ever before and I feel they look stronger than ever. I feel they have a good chance of doing all the time." Speer continued, "The coach is doing a good job and the team is working together a lot more than before. The team is in good health and there have been no serious injury this season. I attribute the lack of injuries to good physical training.

STANDINGS

1. First A Go-Go 9 0 6
2. Second A Go-Go 9 0 6
3. One More Time 9 0 6
4. Third A Go-Go 9 0 6
5. One More Time 9 0 6
6. Second A Go-Go 9 0 6
7. First A Go-Go 9 0 6
8. No Winners 9 0 6
9. Second A Go-Go 9 0 6
10. First A Go-Go 9 0 6
11. First A Go-Go 9 0 6
12. First A Go-Go 9 0 6
13. First A Go-Go 9 0 6
14. First A Go-Go 9 0 6
15. First A Go-Go 9 0 6
16. First A Go-Go 9 0 6
17. First A Go-Go 9 0 6
18. First A Go-Go 9 0 6
19. First A Go-Go 9 0 6
20. First A Go-Go 9 0 6

The Bowling Banquet will be held at the EMBRYS on Saturday night at the Treasure Island Inn. Members may bring wives, dates and guests. The cost for each guest is $2.00 (slate by November 15.)
Rock & Roll Needs Hat
Boggie Bands To Keep
Audience Warm

By Joe Snyder
AVON Secretary

The Gettin’ Down ’77 Back Concert at Okaloosa’s Tangerine Bowl rolled along as hundreds kept warm by bonging–the day away.

The concert, at all week-end event provided all-day, all-night rock entertainment on Saturday, Nov. 26. With the heavy hard rock sounds of Artery Funk, the fans were held in place by their favorite rock bands as moaning speaker. Grinnin’ while waiting.

Finishing their numbers with their standard and popular fare, the audience had to wait for the second recorded sounds for over an hour now most of the time till the next band was set up to perform. But the sun was still high and so were most of the audience.

The long-lived youth of Florida, and some of us who now are considered over-the-hill. Expecting expectancy anything, every teen Americian, but the cutest local strains of The Winter Brother Band.

This anti-country, very loud teen rock band played limited airtime participation and mostly their own material; some mellow but were better, I suppose for the mellow neck.

Then after a very long break, they again Band came on and reinforced their position as the top quality rock bands are well and well and are going strong.

The band had good melody, fine drumming, and reasonably effective musicianship.

But the lights of the afternoon were beginning to dim.

The Primary purpose of airborne weather radar is to avoid turbulence and other hazards associated with transcontinental activity. Basically there are two types of radars—continuous (beam-forming) and clear sky (collar). Radar is only effective in detecting and avoiding factors. The use of airborne weather radar becomes increasingly important with the most advanced ATC airborne genera in the series of detecting weather. Dayton’s radar, incidentally, is in the old type and is capable of weather detection.

Radar does not directly show areas of turbulence. Instead, it shows areas of precipitation (wafer droplets) with clouds that are associated with turbulence. The best reflection is found with mirror-like reflectivity and air turbulence is visible directly with the size of indi
cation of the strength of the turbulence will be expected if the area is penetrated (large drops must be sustained by strong drafts whereas increased rainfall.

Precipitation Gadget. A change in precipitation inten
diency within a thunderstorm and may be gradual or sudden. Usually, the latter will usually involve severe or very extreme turbulence.

Continent Radar—In this mode, areas of precipitation above a certain level will be “blanked out” to enable any determination of the precipitation gradient. The further the echo is from the aircraft, the lighter it will appear due to attenuation.

Cells observed at extended ranges will always be centered on the aircraft as they move (especially in “looking through” cells at closer ranges). Echo avoidance planning should be done as soon as possible.

All echoes that can be con
trolled should be avoided by AT LEAST the following dis
cances in miles, when the OAT is above freezing 5 miles when the OAT is below freezing 10 miles when the OAT is at or below 32 degrees Fahrenheit (heat). In general, larger radar objects are harder to track-off and clutter route accordingly. Re-evaluate the weather at the site and modify the departure route accordingly.

Hail. Hail cells are usually identified by their composite echo shape (although not limited to small). Hail cells usually appear as small clusters of areas of the same echo shape (small hail). Dual edge of/reflectivity and/other non-cloud areas; and do not show up as solid are.

Hail echoes tend to appear suddenly and charge shape and/or intensity rapidly. A 1/8 mile range is best for hail detection and use up to 10-foot

DEAR E-RAU FACULTY, STAFF, AND STUDENTS:

GRANDMA ALWAYS SAID “AN Ounce OF PREVENTION IS WORTH A POUND OF CURE.” WELL, GRANDMA MAY NOT HAVE BEEN A TRANSMISSION EXPERT, BUT WHAT SHE SAI D MAKES SENSE, DOESN’T IT?

PEOPLE DON’T USUALLY EVEN THINK ABOUT THEIR TRANSMISSION UNTIL THEY “KNOW FOR SURE SOMETHING IS WRONG.” WHEN A TRANSMISSION PROBLEM IS EVIDENT TO THE AVERAGE PERSON, IT IS ALREADY AN EXPENSIVE PROBLEM. THE TIME TO CONSIDER YOUR TRANSMISSION IS BEFORE YOU HAVE AN EVIDENT PROBLEM!

WE AT COTTMAN ARE THE SECOND LARGEST CHAIN OF TRANSMISSION REPAIR CENTERS IN THE WORLD. WE FIX TRANSMISSIONS BECAUSE WE KNOW HOW.

COTTMAN OFFERS A “PREVENTIVE MAINTENANCE SERVICE” (P.M.S.) FOR AUTOMATIC TRANSMISSIONS. THE P.M.S. PROGRAM CONSISTS OF A CLEANING OF THE CLUTCH, SCREENING BANDS AND LINKAGE, REPLACING PAN (IF NEEDED) AND NEW FLUID, FILTER TESTING, AND VISUAL INSPECTION. ON A YEAR-ROUND BASIS, THEIR SERVICE IS AVAILABLE FOR $21.00. FROM TIME TO TIME THIS SERVICE IS OFFERED AT A SPECIAL PRICE OF $11.45 PLUS TAX. PROOF OF PURCHASE MUST BE DETERMINES YOUR TRANSMISSION IS $11.45 PLUS TAX ON A YEAR-ROUND BASIS.

NATIONALLY, WE HAVE INSTIUTED A PROGRAM FOR THE EMPLOYEES OF LARGE COMPANIES LOCATED NEAR OUR CENTERS, THE PROGRAM OFFERS A 10% DISCOUNT ON ALL INTERNAL TRANSMISSION REPAIR WORK. WE WILL E-RAU FACULTY, AND STUDENTS AND OTHER EMPLOYEES CORDially INVITE TO FREE TOWING TO OUR CENTER AT 208 S. N. WASHINGTON ST., DAVENPORT, IOWA, AND WILL ALSO BE A SIDE TO WORK IN OUR COURTESY CAR.

TAKE GRANNY’S ADVICE, GIVE US A CALL TODAY, WE’RE LOOKING FOR YOU.

SINCERELY,

DAN GALLAGHER
MANAGER

COTTMAN
OWNED & OPERATED BY COTTMAN, INC.

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COTTMAN OFFERS A “PREVENTIVE MAINTENANCE SERVICE” (P.M.S.) FOR AUTOMATIC TRANSMISSIONS. THE P.M.S. PROGRAM CONSISTS OF A CLEANING OF THE CLUTCH, SCREENING BANDS AND LINKAGE, REPLACING PAN (IF NEEDED) AND NEW FLUID, FILTER TESTING, AND VISUAL INSPECTION. ON A YEAR-ROUND BASIS, THEIR SERVICE IS AVAILABLE FOR $21.00. FROM TIME TO TIME THIS SERVICE IS OFFERED AT A SPECIAL PRICE OF $11.45 PLUS TAX. PROOF OF PURCHASE MUST BE DETERMINES YOUR TRANSMISSION IS $11.45 PLUS TAX ON A YEAR-ROUND BASIS.

NATIONALLY, WE HAVE INSTIUTED A PROGRAM FOR THE EMPLOYEES OF LARGE COMPANIES LOCATED NEAR OUR CENTERS, THE PROGRAM OFFERS A 10% DISCOUNT ON ALL INTERNAL TRANSMISSION REPAIR WORK. WE WILL E-RAU FACULTY, AND STUDENTS AND OTHER EMPLOYEES CORDially INVITE TO FREE TOWING TO OUR CENTER AT 208 S. N. WASHINGTON ST., DAVENPORT, IOWA, AND WILL ALSO BE A SIDE TO WORK IN OUR COURTESY CAR.

TAKE GRANNY’S ADVICE, GIVE US A CALL TODAY, WE’RE LOOKING FOR YOU.

SINCERELY,

DAN GALLAGHER
MANAGER

COTTMAN
OWNED & OPERATED BY COTTMAN, INC.

DEAR E-RAU FACULTY, STAFF, AND STUDENTS:

GRANDMA ALWAYS SAID “AN Ounce OF PREVENTION IS WORTH A POUND OF CURE.” WELL, GRANDMA MAY NOT HAVE BEEN A TRANSMISSION EXPERT, BUT WHAT SHE SAI D MAKES SENSE, DOESN’T IT?

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FOR SALE AUTO

FOR SALE 79 Datsun 710 $950 00

Name: David Scott
Address: 1401 E. Davis
Daytona Beach, FL 32217
Phone: 2530261

FOR SALE 82 Datsun 1200 $1400 00

Name: Frank Taylor
Address: 205 S. Dixie Hwy
Daytona Beach, FL 32217
Phone: 2530261

FOR SALE 78 Datsun 210 $1000 00

Name: Tom Brown
Address: 1501 E. Division
Daytona Beach, FL 32217
Phone: 2530261

NAME THAT PLANE

The first person calling 353-0621, Ext 3 with the correct name will receive a 1930 GIS Certificate from HOLTON VOLKSWAGEN, AUDI, MAZDA, INC.

The second person calling the above number and extension will receive a $5.00 gift certificate. Answers to above will be published next week.

LAST WEEK'S NAME THAT PLANE WAS A BLERIOT

HOLTON
VW
AUDI—MAZDA

600 Ballough
Daytona Beach, Fla.
Phone: 253-0621

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