Frosh Wallop Sophs With 45-15 Field Day Walkaway; James, Basie Play Well-Attended Junior Prom Weekend

Sophomores Easily Win Boat Race Prizes But Are Overpowered By Frosh Strategy In Other Events

by CARL V. SWANSON '60

This past Saturday the gates of Field Day returned to the MIT campus. The crowd gathered in the arena of Dirigo Field to view the spectacle of team booster bruisers. The conclusion of Field Day, as every sophomore has heard from a freshman, proclaimed the source to be freshmen (45), Sophomores (35). Traditionally the sophomore sweep Field Day, flooding the freshmen and as such, maintaining the frosh of their true place, "the lowest of the low."

Occasionally the freshman, however, remind the sophomores as was done this year, that the word "low" can also apply to the other as well.

Particle Research Outlined At MIT Alumni Conference

The standard of living in the United States is far better than it was less than half a century ago, because we have learned to work more efficiently, said Dr. Ernest R. Blood. His research has included such fields as electronics, in which respect he is considered one of the most important research projects concerned energy is being carried out at the instant of arrival of these particles, Proctor noted. "The decision to construct the wooden boat was a panic move on the part of the class in not informing the workmen on the ill-fated boat that their work was to be held, sporting an acquaintance box-like thing which was the official freshman tray. Charting with a hat he had extricated from the Class of '39 with their tin cup, the frosh launched their barge. No one can be found who saw the look of triumph upon that exasperated freshman, agitated and dedicated, who reportedly had spent the thirteen hours before the last act toiling away, tying the tin cups together.

Proving that their tin barge, perhaps ugly, did float, the frosh launched the craft before the student body, the drivers of the MSA launch, whose primary duty is pulling people from the river.

Lone Soph Victory

In the annual sophomore vs. junior boatbuilding contest, won by the sophomore boat, but the race barely begun, the Socialist NSC, Washington crossing the Delaware, moved both hands, much to everyone's delight. A spectator remarked that the freshman boat was a perfect example of the antics of cavemen in the Great Dune last weekend, silently raising its "arms" to the masses below.

No-Fee Parking Spots

Several solutions to the parking problem were presented. The MSA's parking spaces now available will have to be greatly increased to meet new demands in the future, requiring the purchase of about 25 acres of land. The prohibitive cost of land ($350,000 to $400,000 per acre) makes the construction of a two-story garage the most feasible answer. Plans for the structure would probably result from a $30 to $40 per annum parking charge per car. Note was made of the fact that it would probably be impossible for MIT to meet the approximate $300,000, that and a $1.15 per car per day parking rate would be prohibitive.

Expulsion Symbol

The nature of the day immediately became evident as the sophomores went into view before the Boat Race. Towed by a launch it skimmed over the Charles, its long, slender graceful boat, its gray length complemented by the flapping chip the mast, offered an anything-external-to-the-freshman boat—a double row of rusted, jagged ship masts, torn in half and welded together. It has been said that a sophomore calculated that each member of the Frosh race crew would have to weigh seventy-five pounds if this boat were to float.

Apparently a freshman also calculated this, as a D & F pickup truck was moving down the road of the Charles opposite Smith House where the race was to be held, sporting an acquainted box-like thing which was the official freshman tray. Charting with a hat he had extricated from the Class of '39 with their tin cup, the frosh launched their barge. No one can be found who saw the look of triumph upon that exasperated freshman, agitated and dedicated, who reportedly had spent the thirteen hours before the last act toiling away, tying the tin cups together.

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reviews

Basic Rides Again

Filling the power and excitement of the Count Basie band at the倒塌 was a joy...The Basie band played a tremendous group of songs, and they were a joy to watch. The band was led by the great trumpet player, Thad Jones, who played a solo that was simply amazing. The audience was on their feet, and the band was taking the roof off the place.

The band's version of "Baby, Baby" was a highlight of the show. The band played it with a lot of energy and enthusiasm. The audience was cheering and dancing along with the band. The band also played a few other songs, including "Begin the Beguine," which was received with great enthusiasm. The audience was on their feet, and the band was taking the roof off the place.

The Basie band was a joy to watch, and the audience was on their feet throughout the entire show. The band played with a lot of energy and enthusiasm, and the audience was cheering and dancing along with the band. The band's version of "Baby, Baby" was a highlight of the show, and the audience was on their feet, taking the roof off the place. The band played a few other songs, including "Begin the Beguine," which was received with great enthusiasm.

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An Invitation to Engineering and Physical Science Majors

Lockheed Missile Systems Division is systems manager for such major, long-term projects as the Navy Polaris (SSBN); Air Force Earth Satellite, Q-5, X-7; Army Kingfisher, and other important research and development programs. The division was honored at the First National Missile Industry Conference as "the organization that contributed most in the past year to the development of the art of missiles and astronautics.

Headquarters for the Division are located at Sunnyvale, California, on the San Francisco Peninsula. Research and Development facilities are at Van Nuys, Santa Cruz, and Santa Maria, California; Cape Canaveral, Florida; Alamogordo, New Mexico; and Hawaii. Together, they provide complete facilities with the latest scientific and technical equipment, including one of the most advanced computing centers in the nation. Employee benefits are among the best in the industry.

For those who qualify and desire to continue their education, the Graduate Study Program enables them to obtain advanced degrees at the University of California at Berkeley, or Stanford University, while employed in their chosen fields at Lockheed.

Our representative, Mr. Vincent Iannoli, will be available on campus for interviews on November 13 and 14. For appointment, please see your Placement Director now.

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Opportunities for Majors
in Physical Sciences • Engineering

Representatives will be on the Campus
Wednesday, Thursday and Friday,
November 12, 13 and 14, 1958.

BELL TELEPHONE LABORATORIES
Research and development in electrical communications, electronics, microwave, acoustics, switching systems for the Bell System, and national defense projects.

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(Nov. 13, 14 only)
Engineering, construction, operation and maintenance of communication facilities. The following companies will be represented on the campus:
New England Telephone and Telegraph Company
New York Telephone Company
The Southern New England Telephone Company
Applicants will be interviewed for other regional operating companies in the United States and Canada.

WESTERN ELECTRIC COMPANY (Nov. 13, 14 only)
Manufacturing, purchasing, installation and distribution of equipment and supplies for the Bell System and national defense projects.

SANDIA CORPORATION
Research and development in electronics, mechanics, physics, and mathematics in nuclear weapon ordnance.

Please make arrangements for interviews
through your Placement Office.

NEW ENGLAND TELEPHONE AND TELEGRAPH COMPANY

Evans Tests Radioactive People; Predicted Maximum Dose High

Professor Robert Evans of the MIT Radioactivity Center received a mea-
surable amount of radium at the first page of the New York Times were two who had drank many times the usual "safe dose" of radium.

Once a mine owner, drank a radium tonic to pep him up when he felt run
down. As was common practice at the

time, his doctor did not oppose using the
tonic and allowed him to drink it. He bought 100 bottles of tonic but
luckily was not able to buy more be-
cause the manufacturing company went out of business. Now, thirty
years later, when he was tested for

radioactivity by Professor Evans, he
was still found to possess seven times
the normal "safe dose" for men.

1000 Times Safe Dose

Another case, a housewife, took
tonic forty years ago but stopped the
treatment when it gave him no relief.
Later his joints began to creak and
his bones showed odd deposits. Pro-
fessor Evans found twenty times the
usual "safe amount" still in his
body and figures that he originally
consumed 2000 times the safe dose.

Thus two people were especially
fortunate in surviving without mishap
because other tonic drinkers lost limbs
even their lives as a result of the
effects of the tonic. Those who did

Survive, however, are in good health
now and none of them have leukemia.

Standard May Be Too Low

Evans perhaps was overconserv-
ate in 1941 when he set the "maxi-
mum permissible body burden" of
radioactivity at one ten millionth of a gram.
All subsequent radioactivity doses have been based on the 1941 standard which maybe was too low. If this is the case, much of the recent scare about fallout can be ignored.

P. S. O. D. A. (Continued from page 1)

was given a chance to explain his posi-
tion at the same time, Pitts was

interviewed.

Pitts explained the move was com-
pletely a security measure—and a
successful one at that—after the several "invasions" by the sopho-

mates. "The fact that the sophs knew
nothing of the wood craft and were
confident of their knowledge of the
metal boat made the entry of the wooden craft speak well for the inge-

enuity of the Froshmen Class. As one
soph put it, "The Freshmen Class
rather scoffed at the Class of '61 by
entering the wooden boat!" He went

on to add that, only by continued
work on the dense, the effort could
have been maintained.

SPORTSTER

Shell—Highly mercerized all-cotton serafined Gateau gabardine.

Lining—Deep woven Orlon pile by Timme.

Collar—Heavy Orlon pile by Timme, zipper closure to top; also with detachable button-on hood.

Features— Washable

• Sleeve tabs

• Two-way zipper

• Knitted inner wind cuffs

• Two lower hockey pockets with flaps, and two upper

muff pockets

• Open bottom

THE COOP
Receive your MS in Electrical Engineering, Mechanical Engineering or Physics at RCA's expense, through the RCA Graduate Study Program. At the same time, you're beginning your RCA career as an engineer on a fully professional level, getting a head start in the field you prefer. RCA pays the full cost of your tuition, fees and approved texts while you take graduate study part time at the University of Pennsylvania or Rutgers University. Or, you may prefer a different path ahead ... RCA Design and Development Specialized Training. Here is another of RCA's programs for careers, in which you begin by working full-time on planned technical assignments. Experienced engineers and interested management grade your progress. You may receive assignments in design and development of radar, airborne electronics, computers, satellite electronics, television, radio and other equipment fields, as well as in Electron Tubes, Semiconductors and Components. MS, PhD Candidates are eligible for direct assignments in the above mentioned fields.

There's a lot more that's extremely interesting about an RCA engineering career. You should have these facts to make a wise decision about your future. Get them in person very soon when an RCA engineering management representative arrives on campus—November 19 and 20, 1958.
explore for a better world

AT THE FOUR CORNERS OF THE EARTH, more than 3000 scientists from 67 countries are joined in an assault on the vast gaps in our knowledge of the universe. In, on and above the earth, studies are underway to learn more about how we can make better use of the planet we call home.

A. ENVIROX. SOUTH PACIFIC. Four classes that Texas Instruments components (diodes and transistors) rode more than 6000 miles out into space in Operation Farside.

B. NORTHERN POLAR. Transistor research, radiation mapping, data transmission, electronics and aerodynamics were the main areas of study.

C. SOUTH POLE ANTARCTIC. Texas Instruments satellite exploration systems plans the depth of the polar ice cap... TIFs armed Woodman gravity meters weigh the earth beneath the snow blankets and measure the all-but-invisible polar cap.

D. CANADA NORTH. Diodes and transistors in the Jupiter C missile helped put the Explorers on their way to explore the universe. It was the first time solid-state components were used in a missile program.

E. AURORA BOREALIS. Instruments components (diodes and transistors) rode more than 4000 miles out into space in Operation Farside.

F. NORTH POLE. Interplanetary flight, the search for life beyond the solar system, and the study of the Earth's magnetic field were the main areas of study.

G. GEOPHYSICAL YEAR. Transistors and vacuum tubes were used to study the Earth's magnetic field and to transmit data to the ground stations.

H. EXPLORE. The launch of the first satellite, Explorer 1, was a major event in the history of space exploration.

LARRY WOOD, B.S.E.E., University of Maine, June 1958

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ALUMNI CONFERENCE (Continued from page 1)

"However," he continued, "this is a good opportunity to note that the development of solar cells and the conversion of solar energy to electricity is of economic importance in some areas where water is not available. It is true that we may not be able to convert all of the energy into electricity, but we can certainly use a portion of it for our own purposes.

FIELD DAY (Continued from page 1)

"Meanwhile," he said, "we are still working on the design of a new and improved solar cell. The design is based on the principle that the cell should be able to convert solar energy into electricity with a high efficiency. This is a difficult task, but we are making progress.

The members of the Class of '62 have been working hard on this project, and they are now ready to present their findings. The new solar cell will be ready for installation in the near future."
Brian White Faces Hill and Dalers
As Techmen Trounce Tufts 20-40

The varsity cross country team ended its dual meet season on a successful note last Friday as they crushed 20-40 New London, taking seven of the first ten places. Freehouse won 23-27 by the same method.

Brian White '61 led the Tech at one,opping first place in 19:49 for the 4.4 mile course. Dana Oliver '60 finished second overall in 20:27, with A. Miller '60 fourth in 21:05. Ed Chierdy '61 and Paul Robertson '61 placed sixth and seventh positions respectively. In 21:13 and 24:50, Bill Gehrmann '60 finished eighth in 21:07 and Harv Greaves '61 tenth in 23:13 to complete the crew.

Freehouse was front runner for a freshman, capturing third spot overall for three miles. Rick Queensness finished in fourth place in 21:53. However, the Tufts meet-ups kept the four places to elicit the meet. In Pete Durr, Steve Root, Stan Levy, Coppola, and Clark place were 9th through 12th in that set.

The victory gives the varsity honors a season slate of 8-5, with wins over Brandeis, Williams, and Tufts, and including a two-point loss to Bowdoin and a four-point defeat by Coast Guard the latter two in the same triangular meet. The freshman record stands at 1-4, with the loss win over the Coast Guard youngsters.

In addition, the top seven runners from each squad competed Monday afternoon in the New England Championship Meet at Franklin Park.

Tech in Dual Meet
For Fowle Trophy

MIT will meet Coast Guard for the New England regional championship this Sunday since the field was only reduced to two last weekend at New London.

Saturday six teams met in double round robin competition challenging each of the other teams twice. During this time the Engineers dropped two to Coast Guard while the boys from New London lost three. Boston University, Harvard, and Bowdoin finished in that order in the first round that was to eliminate two teams.

Sunday afternoon's first team met the fourth and the second, the third in three out of five races contests. The Cardinal and Gray won three straight and Coast Guard took three of its first four to put the two teams in the finals. Though the trophy was supposed to be awarded this weekend, this run out and the four out of seven finals will have to be held this Sunday at New London.

Frosh Captain

Rayner Banke '42, of Mercer Island, Washington, was unanimously elected captain of this year's freshman cross country team. An equal competitor, he was consistently one of the top men on the squad.

A graduate of Mercer Island High School in his home town, Steve has active in track since the eighth grade. Here at the Institute, he has led a freshman section and this year, he urges the entire team to imitate his hobby sailing.

Soccer Team Ends
1958 Season; Upsets Dartmouth Squad

The varsity soccer team ended its 18 season on a happy note by upsets a powerful Dartmouth squad Saturday at Hanover. Manny Busso '61 drew first blood for the Coolidge, William, and Tufts, including a two-point loss to Bowdoin and a four-point defeat by Coast Guard the latter two in the same triangular meet. The Frosh record stands at 1-4, with the loss win over the Coast Guard youngsters.

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November 17

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