Ford Grants $5,000 To MIT: To Aid Secondary Schools Plan

MIT once again financed heavily in the latest Ford Foundation grants, collecting $50,000 to help promote the project of the Physical Science Teachers Association for the preparation of a new secondary school physics course.

The total Foundation grants and appropriations are $45,187,711 for the current quarter (July through September) of its 1957 fiscal year.

This total includes $204,500 in grants of $25 million or more, and $167,840 in grants of $5 million or more, the latter amount is $15,335,000 for the advancement of education in the behavior sciences.

Model Of Satellite Is Rushed To Museum; Can Be Seen Soon

A model of the proposed U.S. satellite is now being displayed at the Boston Museum of Science in Science Park. This model is of about the same design as many MIT students are planning to be built by Dr. Matthews, in charge of its electronic equipment, last Monday in Knege Auditorium.

The model is scheduled for display in January, 1960, and is supposed to be better than the one on display, is expected to be a comprehensive exhibit showing the stages of a satellite's flight through the earth's atmosphere.

In view of Russia's accomplishments, however, the Museum officials decided to put the satellite model on display in the planetarium lobby so visitors could immediately see for themselves what a satellite might look like.

Pleatex Shell

The shell on which most of the important stages from launching to actual flight around the earth is being built. The shell is made of a thick glass-like material.

The regulations emphasize that the outer surface of the satellite is to be identical with the outer surface of the outermost stage of the rocket which represents agriculture, business, industry, and education.

In a statement released last week, the New York Times described the object as a "wiggling" satellite, a part that holds all of the delicate instruments in its central compartment.

The distribution of the model, identical with the one on display, is being conducted by the Museum for the Smithsonian Institution's Astronomical telescope observations office at Harvard University.

Humana Leads Key; VP Job To Browder

Browder Key, the Junior Honors Society at MIT, held its election last Wednesday night. The Executive Committee of the old key gave way to the newly elected one after a long season of decisions. The New Committee of the Key consists of President Richard H. Tannen, Vice-President For Browder, Treasurer Mike Drown, Secretary George Hays, and Members-at-large Warren Kreuzer and Bert Lane.

Functions

The functions of the vice-president will include taking charge of the visiting athletes; the treasurer keeps book of the key; and the secretary takes charge of the key's funds and membership.

The committee will also choose a new key for the house at the beginning of next season, providing the committee's terms.

SophShootsSatellite; Wavy Line Evidence of Moons Existence

At 6:15 a.m., Sunday, October 13, Justin Kwsner, '60 aimed his thirty-five millimeter camera toward the rapidly moving dot of light above the earth's eastern horizon and got MIT's first picture of the final stage of the rocket which launched Sporitus, Russia's artificial moon.

Kwsner described the object as "easily to spot because of its obvious motion" against the moon-gray pre-dawn sky. Sporitus appears of first instant in the northeastern portion of the earth, alternately rising and setting as it passes, and fading out completely before touching the horizon.

Kwsner believed the object in the picture to be the third stage of the satellite's propulsion rocket; since the ball itself, less than two feet in diameter, is too close to see easily without optical aid. Kwsner said no tripod was in taking the picture, and camera motion distorted the streak made by the object. The irregular "wriggle" in the streak was caused by the satellite itself, says Kwsner, and it also appears in a comparable photo published in Sunday's New York Times.

Kwsner's camera was loaded with tri-x high speed film. The camera was set to f/2 and the exposure time one second. The New York Times photo was taken at 7:45 with a one-half second exposure time, frame 3. Another of Kwsner's pictures, taken at one-fifth of a second, failed to record the satellite's trail.
Bigger And Better Theses

Paul Robertson '61 Edmond Berger '61 Sid Magee '62 Paul Carl Brown '61 Paul Eogle Stan Yukon '61

The Psychologist would have played this hand slightly different. He would have won the opening lead in his hand and immediately played a small heart. Considering his remainder of aces, he would have been able to force declarer's ace. His declarer, however, forgets that his opponents are in the same average financial condition. The balance of the bridge table is usually the same. The psychologist would have played this hand slightly different. He would have won the opening lead in his hand and immediately played a small heart. Considering his remainder of aces, he would have been able to force declarer's ace. His declarer, however, forgets that his opponents are in the same average financial condition.
**Busleaguer**

**Favorites Again Dominate MGrid Contests**

Division A  
League I  
An intercepted pass in the second quarter spelled defeat for a game AESP much on the rebound touchdown from twenty yards out by Tom Thompson '69, set up a 13-0 Sigma Chi victory. The first score of the afternoon came on a 10-yard pass from the winners Jim Long '67. Fred Mrose '67, Midway in the third quarter, a sharp touch pass from quarterback Murray Kohlmann '56 to Lee Cooper '59 put the Phils on top, 6-0, after both teams put up a display of defensive football.

Division A  
League II  
Displaying a powerful offense, Beta Theta Pi gained its second win of the year, downing Sigma Alpha Epsilon, 21-0. Defensive play dominated the first half, but began coming on in action. In the initial stanza the team into an offensive spree, but halted in the red zone. In the second quarter Charles Fintel '59 nailed an SAA man for the tally. In the second half, Beta scored two touchdowns, both on passes from lanes, both on a display of defensive football.

Division A  
League III  
Sparked by the quarterbacking of Dick Haus '56, Theta Chi disposed Alpha Tau Omega, 21-0, on Sunday. Both teams were neck and neck with Bill Hay '38 in the second period, Bob McCleary '48 in the third, and the final five points in the fourth. With Ken Holland '56 leading their offense, Delta Tau Delta trimmed Sigma Phi Epsilon, 27-0. Holland batted a seeing service to Bruce Edan '58 in the opening stanza to gain a 10-0 lead for the Delts. In the next quarter, Ernie Potter '58 and Holland raced with intercepted passes for touchdowns. After halftime, Dan hit Frank Praedich '61 with a two-yard run.

Although outscrimmed the entire game, Phi Gamma Delta turned the table on the Phi Delts, 35-0. Three Delts scored a touchdown in the first quarter after Pollard had punt- ed out bounds on the Sigma Nu lines. In the next period, Ernie Potter '58 and Holland raced with interrupted passes for touchdowns. After halftime, Dan hit Frank Praedich '61 in the end zone.

Recovering from their opening games setback, Phi Delta Theta outplayed Graduate House to gain a 15-0 decision. An intercepted kick hills by the Grads ended in diameter at Phi Delta. Ray Winter '58 grabbed the ball on the 15-yard line and skidded his right end for the tally. In the fourth quarter Walt Anderson '58 plunged over center from yard out to give the Phi Delts a 21-0 lead. Keep in their own territory, Grad House entered the end zone where it was downed for a safety. This ended the scoring.

Division B  
League V  
Theta Delta Chi 6  
Dukes 2  
Phi Mu Delta 6  
Phi Beta Kappa 0  
Lambert Chi 0  
Kappa Sigma 0  
Phi Kappa 10  
Beta Rho 0  
Lambert Chi 0  
Kappa Sigma 0  
Phi Kappa 10  
Beta Rho 0  
Lambert Chi 0  
Kappa Sigma 0  
Phi Kappa 10  
Evel Campus 2  

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Students must pay $4.00 inspection fee on all refrigerators delivered after October 1st.
Mrs. Alvord Retires Girls' House Mother Plans Trip Out West

Yesterday Mrs. Margaret Alvord, House Mother of the Women's dorm since its establishment in 1945, retired from her job because of old age. She will not, however, retire her position of esteem in the hearts of the students who lived in the house during those past 12 years. Known as "Mrs. A" to all women students at Tech, she often held parties for the girls.

Mostly Frosh

In the fall of 1945, through the collaborative efforts of Mrs. E. Compton, wife of the late president of MIT, and Mrs. Alvord, money and interest for the founding of a men's dorm were raised. Operated as liberally as possible, the house was run in a cooperative manner with only a cook as outside help. Freshmen comprised the majority of its students with a few upperclassmen as leaders. Mrs. Alvord plans to travel through the West this winter and will make a trip to Europe next summer, because of "interest in seeing places." She owns a home in Kittery Point, Maine.

Dramashop's Season Opens Friday Night;

Wardrobe Increased

The MIT Dramashop opens its current season this Friday night with two one-act plays, admission free. These plays have always been very popular in the past and the two scheduled this week-end should be exceptionally well received. The first is a hilarious comedy by Sean O'Casey, titled "A Pound in Demand." It concerns the misadventures of two drunks as they try to get a money order in a post office in Ireland.

Ford Tragedy

Its companion presentation is a psychological tragedy, "She's a Whore" by John Ford. Nick Margulis and Herb Prowper, Dramashop veterans, will ably direct. The versatility of Dramashop has been increased due to the generous gift of a large and varied wardrobe by the Wellesley Theater on the Green. This gives us the best theatrical wardrobe of any school in the area. The first use of it will be made this Friday.

"In a big company, a young man can get to tackle big jobs"

"The thing that has impressed me most in my two years at General Electric," says 28-year-old Yusuf A. Yoler, manager of Aerodynamics Laboratory Investigations, "is the challenging opportunity open to young people here. My field in guided-missile research — the nation's top-priority defense job. Because of the scope of the company's research and development program, I've had the opportunity to work with technical experts in many related fields. And I've seen at first hand the responsibility which General Electric has given to younger men — proof to me that in a big company a young man can get to tackle big jobs."

The research being done by Dr. Yusuf A. Yoler is significant not only to himself, but to General Electric and the security of the nation as well. At present, the company is participating as a prime contractor on three of the four long-range ballistic missile programs by the U.S. government. Yoler, who is playing an important role in this work, directed the development of the world's largest hypersonic shock tunnel — a device which will "test-fly" missile nose cones at speeds over 15,000 mph.

Progress in research and development — as well as in every other field of endeavor — depends on how well young minds meet the challenges of self-development. At General Electric there are more than 29,000 college graduates, each of whom is given the opportunity to develop to his fullest abilities. In this way, we believe, everybody benefits — the individual, the company, and the country.

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**Harriers Victorious**

**In Triangular Meet; MIT Led By Ewing**

Using their superior depth to advantage, MIT's cross country team won by a large margin over Williams and Springfield in a triangular meet at Springfield. The tally: MIT 20, Springfield 44, Williams 50.

Although the Tech harriers did not capture first place, they took four of the first eight positions to insure the victory. Leading the pack was Duncan Ewing '59, who took second spot to 26:28 over the 4.1-mile course. Also scoring were Captains Red Swift '59, 4th place, Bob Cooper '58, 5th, Bob Miller '59, 7th, and Glenn Bennett '58, 8th. MIT's entire squad of eight finished in the top fifteen.

Coach Oscar Hedlund indicated that he was pleased with the team's performance, particularly since it was their first meet of the season. He declined, however, to give any predictions concerning the team's future prospects. The victory was all the more pleasant, as the team was not at full strength due to illness.

The first races for the hill and dale near was over a fairly level course, mostly pavement or grass. Next week the Terrains will return to their home course at Franklin Park in Boston.

The freshmen were also hard hit by illness and were unable to field a full team. However, a trio of yearlings, Herb Wegener, Paul Hard, and Herb Greene, did compete and finished fifth, sixth, and seventh, respectively, in their Springfield opposition over a 2.7-mile course.

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**CLUB LATINO FIESTA**

There will be another traditional Club Latino Fiesta this Saturday from 8 to 1 at Baker House dining room, free drinks will be given. Table service. Tickets on sale this week in Building 10. Members $3; non-members $6.

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BEXLEY HALL

(Continued from page 1)

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Any Bexley coed who does not cooperate with the rules will be subject to House Committee censure.

I.B.M. 704 computer in building 26, which was used in an attempt to compute the orbit of the Russian satellite and will also play a vital part in computing the orbit of the United States satellite when it is launched.