

BUSH CONFIDENT IN DEMOCRACY

Mach 2 Speeds Attained By Supersonic Tunnel

At dedication ceremonies attended by prominent service, educational, and industrial officials, the Institute unveiled its supersonic wind tunnel last Thursday, December 1. The new unit is the largest wind tunnel at any university for research on problems of high speed flight.

Constructed under the auspices of the Navy Bureau of Ordnance, the wind tunnel was successfully operated Thursday morning at a speed twice that of sound. The tunnel is designed to provide speeds ranging from 1.2 to 4 times that of sound—up to 3000 miles per hour.

Dr. Hugh L. Dryden, Director of Research, National Advisory Committee for Aeronautics, was the principal speaker at a luncheon in the Graduate House following the opening ceremonies. Guests at both events included high officials of the Navy, Air Force, Army, aircraft industry, and several educational institutions.

Capital Outlay

The Naval Supersonic Laboratory, including building, wind tunnel, and associated instruments, represents a capital investment of \$2,600,000. It marks a substantial increase in the laboratory facilities of the Institute, Dr. Killian reported, and will be devoted to both fundamental research and education.

Rear Admiral Nobel expressed the Navy's confidence that the new laboratory will serve science as a tool to extend the frontiers of human knowledge, and that it "will inspire future generations of students to more intensive study and assure our country leadership

(Continued on Page 8)

Famed Quartet Has British Clarinetist

Reginald Kell, celebrated British clarinetist, will appear in a joint concert with the Hungarian String Quartet, Tuesday, December 13, at 8:30 in Huntington Hall, Room 10-250.

Sponsored by the Humanities Series in conjunction with the Elizabeth Sprague Coolidge Foundation, the concert will include the "Clarinet Quintet" by Mozart, "String Quartet No. 4" by Bartok, and "Death and the Maiden" by Schubert.

Free tickets for the performance will be available to students only at 12:30 p.m. today in the Information Office.

Sherwood And Linton To Present Technical Paper At AICE National Meeting

Dr. Thomas K. Sherwood, Dean of Engineering at the Institute, and Dr. W. H. Linton, Jr., will present a technical paper at the forty-second annual meeting of the American Institute of Chemical Engineers in Pittsburgh, Pa., on Wednesday morning, December 7.

The paper is a report on an experimental study of the rate at which solid materials dissolve in water which is in turbulent motion. The results of the experimental study have substantiated recent theoretical predictions and will permit chemical engineers to design heat transfer equipment for use under extreme conditions.

QUEEN FOR A NIGHT



Photo by Astrachan

Nancy Kerrigan, 20, of Emmanuel College and South Boston, winner of the Tech's-A-Poppin Beauty Contest. Nancy, who was escorted by Lawrence Lortscher '51, received her flower lei at the Hexapoppin Skit Show after having been chosen by a panel of administrative experts.

X-RAY NOTICE

All students who are candidates for degrees are required to have an x-ray examination of the chest prior to December 1. A large number of students have not complied with this regulation and are urged to report immediately.

Messiah Features Bass Paul Matthen And Cast of 250

In the announcement that Mr. Paul Matthen will take the bass solo part in their production of Handel's "Messiah," the M.I.T. Musical Clubs give every indication that their final home production for the fall term will also be one of their most auspicious, according to Concert Manager Paul Mourier-Petersen, '50.

The performance is scheduled for Saturday evening, December 10, at 8:30 p.m. in Jordan Hall and will include over 250 singers and players. Chorus and orchestra will be drawn from the membership of the combined Musical Clubs, augmented by members of the New England Conservatory of Music. The ensemble will be headed by Miss Willabelle Underwood, soprano; Mrs. Helen McCloskey, alto; Mr. Sumner Crockett, tenor; and Mr. Matthen, bass.

With The New England Opera Company

Miss Underwood and Mrs. McCloskey are both members of the New England Opera Company and have given performances of opera and oratorio all over New England.

Mr. Crockett has sung with Serge Koussevitsky and the Boston Symphony Orchestra, with Arthur Fiedler and the Boston Pops, and with Boris Goldovsky and his New England Opera Company. In particular, with the last-named group, he took the title role in "Idomeneo."

Mr. Matthen Has Recorded For Columbia

Mr. Matthen is nationally known

(Continued on Page 2)

Basketball, Hockey Teams Bow to BU, Harvard in TP Contests

Hoopsters Routed,
57-37 in Opener;
Brown Plays Here
Tomorrow Evening

Opening their 1949-1950 basketball season against B.U.'s Terriers at the Armory last Friday night, the Engineers went down to a 57-37 defeat, to disappoint an overflow crowd of 1800 Tech's-A-Poppin fans. The Terriers' height, their better shooting eye, and the Engineers' raggedness combined to down a sluggish Beaver five.

Early in the first period the rout began. Playing more on fight and spirit than on general excellence the Terriers nevertheless began to pull away from the lagging Beavers. A sluggish Tech defense and a frigid offense held the Techmen back and by the end of the first half B.U. led, 29-18.

Beavers Close Gap

At the beginning of the second half, a renewed Engineer squad came onto the floor and pulled to within five points of the leaders at 30-35. Here, however, the drive stalled, and the Terriers began to pull away once more.

During the last 10 minutes it was the lads from B.U. all the way, as the Terriers' effective shooting sparked by Kenny Rickson, shattered the Technology defense completely. The Beavers seemed especially cold from the field, sinking only eleven field goals, their

(Continued on Page 6)

Pucksters Drop
10-5 Decision;
Goalie Woodward
Excels In Debut

Tech's hockey team fell prey to a fast-skating Harvard six last Saturday night and lost a 10-5 decision in its opening game. The Engineers were far from disgraced, however, as they played Harvard to a standstill except for a 10-minute lapse in the first period which cost them five goals.

For the first half of the opening period the teams played nearly even. Then the onslaught began as Harvard's Kittredge scored after some nice passing. About half a minute later the Harvard men broke through again, with Timpson scoring.

Five minutes later Preston of Harvard lifted a high fast one through the Tech defense and into the net. Garrity then scored Harvard's fourth goal while the Crimson were short a man, and Timpson's second goal made the period score 5-0.

The Engineers opened the second period with a drive which netted them two quick goals. Dex Whittinghill skated through with the puck and scored the first one unassisted. A few minutes later Paul Grady scored from in front of the goal after some beautiful passing from Chisholm and Lea.

Harvard then countered with a

(Continued on Page 4)

Calls Upon Individuals To Cease Dependence On Gov't Bureaucracy

CONVOCAION SPEAKER



Dr. Vannevar Bush, President of the Carnegie Institution of Washington, who spoke at the Convocation of students and faculty members yesterday in Rockwell Cage.

"Dictatorships can compete with dictatorships, and virile democracy can outpace any such in the long pull," stated Dr. Vannevar Bush, President of the Carnegie Institution of Washington, at the Convocation held yesterday in Rockwell Cage.

Citing President Truman's conviction that the total income of this country would be increased, and noting that the national deficit is 6 million dollars with a possible addition of 9 millions more, that the socialized British government is failing in some of its program, specifically the production of oil from peanuts, and that Russia now has the atomic bomb, Dr. Bush asked, "How are these items connected, and do they mean anything to you personally? Moreover can you do anything about it?"

Meaning of Items

"There is a connection among the items I have mentioned. They mean much to you, and to all of us. You can do something about it, and if you are as clear-headed as I think you are, you realize not simply that you can, but that you must.

"Russia is a closely controlled dictatorship, a police state, with full ultimate management of the details of the life of every citizen. It can hold, and has held, the standard of living down to a small fraction of ours, denying its people the simple comforts of existence, in order to focus effort on guns and atoms. In the long run a totalitarian state cannot compete with a free people in the advancement of science, for dictation and dogma are contrary to the free spirit of inquiry, which is the heart's blood of scientific advance. It can produce an atomic bomb, and has done so.

Russia's War Machine

"Russia can build fleets of bombers, jet aircraft for defense, radar networks, guided missiles.

(Continued on Page 6)

TCA Offers Aid For Xmas Travel

Reserved N. Y. Coaches
To Be Used On Demand

Following its custom of past years, the Technology Christian Association again this year is offering train, bus, and plane reservations and ticket service for Institute Christmas travelers.

It was also announced that coaches can be reserved on New Haven trains if enough men are going to New York at the same time. Convenient trains for this service are the Yankee Clipper, The Patriot, and The Gilt Edge.

Representatives from the New York Central and the New York, New Haven, and Hartford Railroads and representatives from all plane and bus companies will be in the TCA office Tuesday, December 6, through Thursday, December 8, from 12:15 p.m. to 1:45 p.m. to take reservations

Engine Performance Improved Greatly By Research With Miniature Models

Two new developments in automotive engineering at the Institute, both of which are expected to help achieve more efficient gasoline engines, were described Tuesday, November 29, by President James R. Killian, Jr.

And a development of the Institute's aeronautical engineering department, a new engine indicator capable of very accurate and sensitive measurements on pressures inside an operating engine, Dr. Killian reported, is expected to be of great help in efforts to improve engine performance.

Size Change Effects

Under the general direction of Professor C. F. Taylor of the Mechanical Engineering department, Sloan Laboratory personnel are exploring the effects of size changes in one-cylinder engines, seeking to establish the "laws of similitude" which may be applicable.

Analogy in Hydraulics

Such laws, established in other fields, have permitted designers to

predict the performance of any size ship or airplane from test results on small models. The goal of the current Institute research program is a similar achievement for gasoline engines, whereby a very small or simplified working engine model could be used to study the characteristics of a large motor before it is built.

Performance Predicted

Beginning the study, Sloan Laboratory personnel have built three geometrically similar one-cylinder engines of different sizes. Theory has been backed up by experiments to show how air flow and stresses within these motors may be compared, and other factors such as friction, lubrication, and heat losses are now under study.

The program promises to enable designers to predict with precision the changes in performance of an engine as its size is changed. It will thus provide a quantitative basis for choosing designs for greatest fuel economy, lightest weight, or minimum size.

The Tech

VOL. LXIX TUESDAY, DECEMBER 6, 1949 NO. 51

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News and Editorial—Room 307, Walker Memorial, Cambridge, Mass.
 Telephones KIRKland 7-1881, 7-1882
 Business—Room 335, Walker Memorial, Telephone KIRKland 7-1881.
 Mail Subscription \$3.00 per year, \$5.00 for two years.
 Published every Tuesday and Friday during college year, except during college vacation.
 Entered as second class matter December 9, 1944, at the Post Office at Boston, Mass., under the Act of March 31, 1879.
 Represented for national advertising by National Advertising Service, Inc., College Publishers Representative, 420 Madison Ave., New York, N. Y.

Night Editor: Charles G. Beaudette, '52
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Conclusion Of Eames Report

By EARL W. EAMES, '49

Sweden's position on the North Atlantic Pact is quite interesting. The reasons given for staying out of the Pact, in order, are:

1. May prevent invasion in first weeks of another war.
 2. Her present policy may protect Finland to some extent.
 3. The traditional Social Democratic policy.
 4. Isolationism of the people.
- Note this is only fourth.

Contrary to James Reston, who wrote a series on Sweden for the New York Times recently, I am positive that Sweden no longer is isolationist as were they (and we) in the 1930's. They have definitely chosen sides. They are in hope that when and if the next war strikes, Sweden will not be immediately involved. They are perfectly convinced that Sweden will never be able to stay out of the next war if it comes.

From the Marshall Plan people here I learned of the tremendous help Sweden has been in setting up and continuing OEEC. They and the British are evidently the mainstays of the Paris group. Even though the Swedes are gaining nothing directly, they realize what an important concept European cooperation is and have done all they can to make it become a reality.

Industry and Productivity

Productivity is about the highest in Europe, and not too far below the United States in some industries. Production control and time and motion study are being well done, and employer-employee cooperation is the best in the world. Joint councils set up by agreement between the top management association and the central trade union organization are functioning in most industries and working out non-economic problems very satisfactorily. Wages are agreed upon with no government interference whatsoever, and, there has been only one serious strike since the mid 1930's.

FINLAND: August 19-September 9
 Helsinki, Tampere, Eastern and Western Finland

General Observations

We had heard about the strikes which were going on in Finland while we were in Sweden and were not sure what was in store for us when we arrived in our fourth country. In any case we did not expect what we found. The Finns are a firm people, the social democratic party is the strongest in Europe, and the communists are actually on the defensive! Reports in the New York papers exaggerated the strikes—there were no demonstrations of any size in Helsinki—and everyone was completely

calm and collected throughout the three weeks.

The real reason for the strikes was that the communists were being gradually forced out of the trade union movement and they resented it bitterly. The social democratic party took the fight to the locals and the trouble erupted first at Kemi in the north. Everyone knew it had to come sooner or later, and the entire country is relieved that the crisis is past. But you could never tell there had been a crisis!

While in Helsinki we lived at the student house and as usual enjoyed it very much. People in Sweden told us that the Finns are the friendliest in the world, and it certainly appeared to be true. We found the utmost in hospitality from everyone. A great honor was bestowed upon us just a week ago. Do you know the Finnish steam bath—the SAUNA? It is a real institution in Finland, and every home has its own. The Minister of Trade in Finland invited us to take SAUNA with him and all of the other members of the government at their villa outside Helsinki. This was our first invitation to take a bath with an entire government!

Foreign Student Summer Project

We saw five of the six engineers from last summer's Project. One was in the extreme north of the country and we couldn't arrange our schedule (nor afford to travel that far). Our press conference was held for seven Helsinki papers (for some strange reason the communist paper wasn't represented!) and we were asked many questions about MIT and the FSSP. There is tremendous interest here in all things American, and since more engineers from the Finland Institute of Technology have taken part in the Project than from any other school in the world, the papers were most interested in our plans. Professor Martti Levon, Rector of FIT, gave a small luncheon for us at which we discussed screening committee plans and arrived at a good solution to the problem.

Technical Schools

The only real Technical Institute is the Finland Institute of Technology at Helsinki, which is celebrating its one hundredth anniversary this week. Academic people will be coming from all over the world for the celebration, and I am sure that MIT will be represented.

The plan for a new Institute is the best I have seen. The board has purchased property outside Helsinki and Professor Alvar Aalto will be the architect. It is a wonderful plot—about three quarters of a square mile in area—and the

(Continued on Page 3)

Fraternity Findings

By Jim Stolley and Dave Bossen

For the second time in two years, SAE came away with the trophy for the best Hex-a-Poppin skit. The act, directed by Ed Matthews, was about a Tech man who, with the aid of slide rule and steam tables, figured out a magic play to save the day for the Harvard football team.

Nancy Kerrigan, a graduate of Emmanuel College, was crowned Tech's-a-Poppin Queen by Dr. Killian, and she presented Matthews with the trophy. Incidentally, Nancy was escorted by Larry Lortcher, another SAE. All in all, it was a clean sweep for the boys from the Sleep And Eat house.

Sigma Chi, Beta Theta Pi, and Phi Delta Theta will hold their annual Miami Triad next Saturday night. The three fraternities were all founded at Miami University in Oxford, Ohio. A Miami Triad is held at almost every college where the three fraternities are represented. Brad Kent and his orchestra will play for the dance, with a group of nine Smith girls singing during the intermissions.

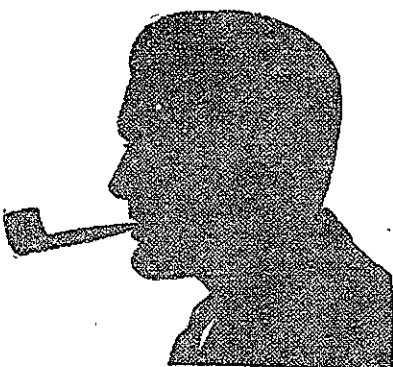
Christmas Parties

Most of the houses on the campus will have Christmas parties during the next few weeks. The holiday affords a good excuse to have a beer party with entertainment provided by the pledges.

Next weekend will see the Delta Tau Delta House transform itself into a French bistro specializing in Apache Dancing. Guests are requested to come in costume. Shades of "Come wiz me to ze Casbah."

ATTENTION VETERANS

The final date for requisitioning books and supplies from the Coop under the G.I. Bill is Wednesday, December 21. All Veterans are urged to anticipate their needs for the balance of the Fall Term, particularly those writing a thesis, and obtain requisition blanks in Room 4-132 before Wednesday, December 21.



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In The Spotlight

By NELSON MacDONALD

Last April, the Corporation of the Institute approved the creation of a new academic administrative post, carrying the title of Provost. The man elected to this post by the corporation was Professor



DR. JULIUS A. STRATTON

Julius A. Stratton, at that time head of the Research Laboratory of Electronics.

On his shoulders fell the responsibility of creating a standard for the new post. Dr. Stratton is primarily concerned with the administration of educational activities which do not fall under the jurisdiction of any single department. For example, he has the responsibility for coordination of the programs of the large inter-departmental laboratories which break across the lines of departments, such as the Acoustics laboratory.

Dr. Stratton has had an extraordinarily rich background in both physics and electrical engineering. After receiving his primary education at Seattle he studied at the University of Washington then

came to Technology and received his degree in Electrical Engineering, class of 1923. He studied in France during 1923 and 1924, where he received his Masters Degree. After this, he went to Zurich and at the Technical Institute of Zurich received his Doctorate.

Former Electronics Lab Chief

Afterwards he returned to the Institute and rose to the head of the Electronics Laboratory, continuing in this post until last Spring, when he became the Institute's first Provost.

Dr. Stratton shares with the Deans and the President the administrative direction of the Institute's educational program.

In addition to his many duties he has time for a wife and three "boisterous little girls," who manage to occupy most of his spare time at home.

Messiah

(Continued from Page 1)

as a concert and oratorio singer who has sung repeatedly with Robert Shaw in concerts and also on Columbia records. It is he who takes the bass solo parts in the Shaw recordings of the "B Minor Mass," the "Magnificat," and the "Cantata No. 140" of Bach for RCA-Victor. In addition, he has appeared with the Boston and Philadelphia Symphony Orchestras and with fully half a dozen widely renowned choral groups, including the Handel and Haydn Society.

Tickets are now available in the lobby of Building 10. Prices are \$.90, \$1.20, and \$1.80. Tickets can also be obtained through mail orders addressed to the Musical Clubs in Walker Memorial. All seats are reserved.

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Racquetmen Lose To Dartmouth, 8-3

Tech's varsity squash team bowed to Dartmouth last Saturday afternoon in their season opener.

SUMMARY

Stahl (D) defeated Irigoyen, 15-8, 15-10, 15-8; Ringe (D) defeated Bekardt, 7-15, 15-10, 15-11, 15-9; Smel (D) defeated Sleveston, 15-12, 15-8, 15-9; Hubbard (D) defeated Rumpy, 15-11, 15-18, 15-7, 15-7; Drucker (MIT) defeated Fisher, 15-12, 15-9, 14-17, 10-15, 17-18; Geisler (MIT) defeated Keese, 6-15, 15-7, 15-8, 8-15, 16-13; Flanagan (D) defeated Rodriguez, 15-8, 15-16, 15-3, 15-7; Maak (D) defeated Martin, 15-7, 15-9, 15-11; Austin (D) defeated Rugone, 15-8, 15-5, 15-9; McLwain (D) defeated Weatherbee, 11-15, 15-9, 15-12, 17-16; Potter (MIT) defeated White, 17-16, 15-11, 12-15, 18-17.

McMillin Named Head Of Crew Coaches' Ass'n

James B. McMillin, Technology crew coach, was elected president of "The Rowing Coaches Organization of America" at its recent annual meeting in New York. McMillin succeeds Harrison Sanford of Cornell.

The Tech coach, who is beginning his tenth season as head of the Engineers' crews, came to the Institute in 1939 after captaining a championship University of Washington crew.

Tech Rifle Teams Outpoint Harvard In T. P. Contests

The riflemen shared in Tech's A-Poppin' Saturday by trouncing Harvard's varsity and freshman teams. For the varsity, it was the second intercollegiate win in as many starts, and was their first victory in defense of the New England College Rifle League Northern Group crown.

In the 1389 to 1310 varsity victory, only three of the high five

Varsity Grapplers Down Tufts As Bading Stars; Frosh Lose

Opening their wrestling season on a successful note last Saturday, Coach George Meyerson's boys put on a highly skilled and spirited performance to outpoint Tufts 22-13. The meet was packed with thrills from beginning to end and was highlighted by a meet-deciding match between heavyweights Chuck Bading of Tech, and Edmund Johnson, Jr., of Tufts.

formance, displaying a varied assortment of holds, before pinning his man in the second period. Capt. Will Haggerty and Sam Raymond were also outstanding, while Tufts honors went to their Captain, John Johnson, Jr., who secured the lone Tufts pin.

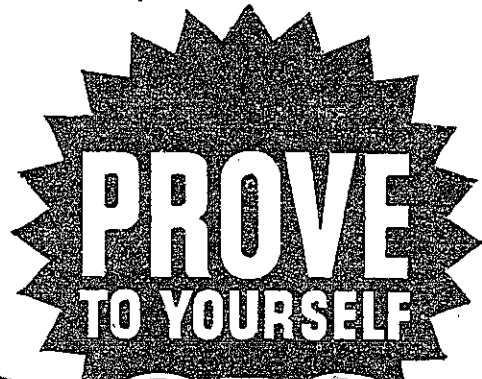
Frosh Lose

The preliminary Freshman meet was won by Tufts by the narrow margin of 20-18. Although each team won four matches, one of Tech's wins was by decision. Ray Dietz of Tech registered the fastest pin of the afternoon with 2:08 of the first period.

SUMMARIES

Varsity:
121-lb.: Raymond (MIT) pinned Rudisil (T)—time: 8:47; 128-lb.: Vinton (T) decided Foley (MIT)—6-4; 136-lb.: Hansen (MIT) pinned Grant (T)—time: 5:25; 145-lb.: Callahan (MIT) tied Powers (T)—3-3; 155-lb.: Haggarty (MIT) pinned Peterson (T)—time: 6:37; 165-lb.: Burlingame (T) decided Mitchell (MIT)—5-0; 175-lb.: J. Johnson (T) pinned Ferguson (MIT)—time: 5:35; unlim.: Bading (MIT) pinned E. Johnson (T)—time: 7:15. Team totals: MIT 22, Tufts 13.

Frosh:
121-lb.: Burns (T) pinned Meyers (MIT)—time: 4:57; 128-lb.: Laeger (T) pinned Taub (MIT)—time: 3:55; 136-lb.: Slaw (T) pinned Schmidt (MIT)—time: 7:51; 145-lb.: Dietz (MIT) pinned Mastoras (T)—time: 2:08; 155-lb.: Ebling (MIT) decided Gerish (T) 8-4; 165-lb.: DeBranges (MIT) pinned Beaupre (T)—time: 3:40; 175-lb.: Seymour (MIT) pinned Holland (T)—time: 3:35; unlim.: Manly (T) pinned Murray (MIT)—time: 6:35. Team scores: Tufts 20, MIT 18.



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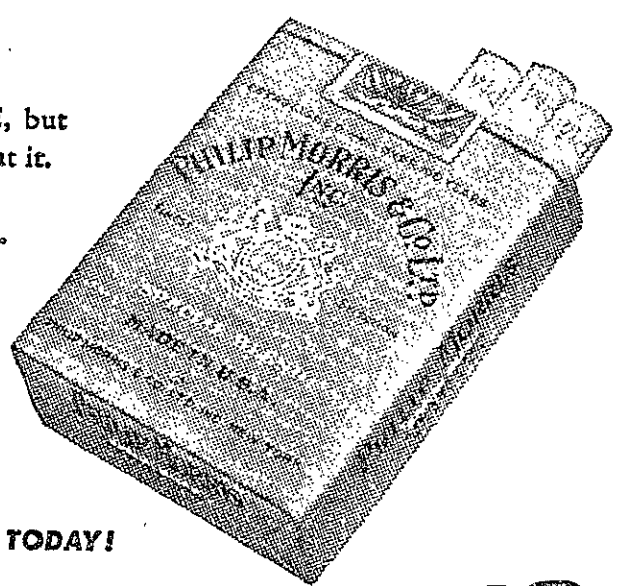
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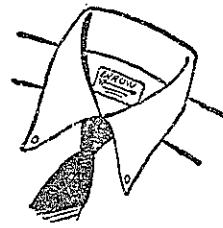


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Soprano LeClair To Be NSA Soloist

Bookspan of WBMS Will Speak At Concert

The first in a series of Symphony Forums sponsored by the N.S.A. will be given by the First Veterans' Symphony Orchestra conducted by Sayard Stone. The guest artist will be Gloria LeClair, lyric soprano, and the guest speaker will be Martin Bookspan, program director of station WBMS in Boston. For its program, the orchestra will play the overture to "Orpheus," Offenbach; "Siegfried Idyll," Wagner; "Rhapsody for the Americas," J. Sheldon; "Slavonic Dance No. 2," Dvorak; "Andante Cantabile," Tchaikowsky.

This concert will be held at Rindge Tech Auditorium, Cambridge, on Wednesday, Nov. 30, at 8:00 p.m. Tickets are priced at \$.90, \$1.20, and \$1.80. Girls' schools in the Boston area have agreed to give late permissions for the event.

Convocation

(Continued from Page 1)

But can it build all these at once, in ample quantities, in reliable form, operated by well trained men of initiative and resourcefulness? The answer to this question depends upon what one believes the Russian economic system can stand without collapse. But, whatever the estimate, there is no doubt that Russia can build, and is building, a formidable military machine.

"We can meet that threat if we are strong; we can in fact meet it without war, for those in the Kremlin recognize strength if they recognize nothing else. But we cannot meet it if we turn this country into a wishy-washy imitation of totalitarianism, where every man's hand is out for pabulum, and virile creativeness has given place to the patronizing favor of swollen bureaucracy. If we go all the way down the path to dependence and render ourselves a people fawning for hand-outs on an intriguing bureaucracy, Russia can cease its building of war machines. It will conquer the world without them.

"You men, with the enormous privilege of higher training, in an institution of world renown, you men of influence in the coming generation, will determine where we come out."

Dr. James R. Killian set forth the aims of MIT's administration and their goals for the future. Stressing MIT's three aims, Killian stated that the administration was striving to maintain educational leadership, to deepen and enrich its educational program, and to pioneer in the field of education, but that due to an increase in the number of students and a decrease in the amount of funds available, additional funds are necessary.

Also speaking to the assembled students was Nathaniel M. Sage, Placement Officer, who talked of job opportunities. Although graduates of MIT, because of their training have some advantage, he advised graduates not to depend on this alone, pointing out that they should become acquainted with the problems of their chosen field and meet men already established in those industries.

Basketball

(Continued from Page 1)

other fifteen points coming from charity tosses. Not only did the Engineer basket have a lid on it all evening, but the Techmen couldn't seem to get their floor-game co-ordinated.

Tap-ins and Rebounds

Coach Ted Heuchling's squad definitely did not play the basketball of which it is capable. The boys seemed to suffer from nervousness, and surprisingly enough the seniors were the worst offenders. Corrie, Honkalehto, and MacMillan were missing by wide margins on shots which they pop in regularly during practice. . . . Lou Morton did some sterling work on the defensive backboard, but the offensive rebound work was very poor. Time and again the Engineers would come down the court, only to loose possession on the first rebound. . . . Heuchling's two-platoon system had only a partial success, although the flurry at the beginning of the second half came just after a new team had entered the fray. . . . With all the Terrier

giants on the court, high scoring honors went to Kenny Rickson, diminutive guard. Rickson popped in seven field goals, most of them on set shots. Herb Glantz was high scorer for Tech with 11 points. . . . The Engineers entertain Brown University at Walker Gym tomorrow night. The Bruins took both of last season's encounters, and Tech will have to show a lot of improvement to rate a chance against them.

The summary:

E.U.		M.I.T.	
	G F P		G F P
Lynch, lf	1 0 2	Hohorst, lf	2 1 5
Oliver	3 0 0	Glantz	3 5 11
Killilea	3 0 0	Corrie, rf	2 1 5
Carson, rf	0 1 1	Hong	1 0 2
Luce	1 0 2	Morton, c	2 4 8
Finnegan, c	1 2 4	Honka'to, lg	1 3 5
Butcher	3 1 7	Rorschach	0 0 0
James	1 1 3	Garthe, rg	0 0 0
Rickson, lg	7 0 14	MacMillan	0 1 1
Winkler	0 0 0		
Tycinski	1 0 2		
Sheehan, rg	3 0 0		
Childs	1 0 2		
Wells	1 0 2		
TOTALS	28 5 57	TOTALS	11 15 37

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