TECH SHOW TO BE FINANCIAL SUCCESS

Pres. Compton Backs Truman Draft Policy

Thinks Early Action Could Have Averted Present Emergency

"If Universal Military Training had been adopted several years ago when it should have been, there would be no need for a hurried or emergency adoption at the present time when everybody has a case of jitters," stated Dr. Karl E. Compton, in response to The Tech's questionnaire about President Truman's proposal for immediate selective service last Wednesday. He further emphasized, "I have long felt that we should have maintained strong military posture until we had what we fought for."

As chairman of the committee appointed by President Truman to study the UMT, Dr. Compton has strongly advocated UMT, and he will appear before the regular hearings of the Senate Armed Forces Committee next Monday to testify further on the matter.

Student Relation Varied

When President Truman's speech came over the Walker address system, Wednesday noon an immediate bell toll set off the evening calls. Dildes were laid down quickly, and business was all but a standstill. A similar tenseness was ex-hibited in the Graduate House and in the other living groups.

However, immediate reaction dependent on President's policy, his proposal for calling Commudians by immediate conscription until a satisfactory UMT proposal takes over.

Foreign Relations Study

It will be possible for a limited number of Technology students to attend a week seminar on international relations this summer at any one of eleon locations in this country. The program is in contrast of cooperative living, study and discussion among the participating students and recognized authorities in international affairs.

Foreign students are requested to obtain applications at the office of Professor Chalmers, Advisor for the Foreign Student Administration, Room 3-114. American students should apply to James K. Phillips, Assistant to the Dean, Room 7-123.

Patterns of Power Changed By Fuels

Shortage Of Petroleum Poses Serious Threat

Revolutionary changes in methods of power production which are likely to appear within the next 10 years were discussed by Dr. Lewis K. Dillon in a lecture last Wednesday. Dr. Dillon, who has spent much of his long and fruitful life studying the development of power within the industry, reiterated the warning that even our current petroleum reserves will be able to carry us no farther than 30 years.

From this fact he deduced that presenting patterns of power will be stipulated by our future fuel supply, in contrast to petroleum, our coal reserves are estimated generally to be sufficient for over 3000 years, and our uranium reserves at mining and mettallurgy predicted for decades, according to a recent estimate would be only 200 years.

Use of Oil Increases

In 1946, four years ago, the disappearance of petroleum sources, oil consumption in the United States consumption in 1946 was 9.4 billion barrels, an increase of 3½ over 1942, and by 1950, it is expected to exceed 12 billion barrels. Only logically, it is estimated that by 1958, United States consumer needs will exceed production values.

The result is that new methods of conserving our present supply of petroleum and new liquid fuels are being sought for. One conservation program is to eliminate the unnecessarily high-powered automobiles.

Oil from Coal in 1950

To that end, "the world's largest commercial coal proponent has pro-posed to convert coal into gas, gasoline and oil. The process of chemical assistance, which for the coal industry to provide the nation with an adequate gasoline reserve for unexpected years to come and a large-scale expansion is planned to occur in 1950 or 1951."

Other fuels such as natural gas are being more widely suggested as a source of power. Since natural gas prices have been relatively low, and a number of coal mines are being converted to natural gas use.

(Continued on Page 4)

Open House Comm. Seeks More Ushers

"We expect to be the first major activity at the Institute this year to make a substantial profit on any production," said Arnold R. Smith, 48, Business Manager of the 1948 Tech Show. On Wednesday, Smith stated that the $4000 budget had already been met and the show was now "on track" to be profitable for the present season, and offer to Saturday for Saturday's showing.

This year's show, entitled, "Free Jacques," will open tonight at 8:00 P.M. in Cambridge Latin High Auditorium, and a second performance will be given tomorrow, March 23. Hall tickets selling at $1.50 at the door, the Auditorium, seating 7000 peo-ple, will be filled for the Saturday night show.

"Free Jacques" is a musical comedy dealing with the activities of a group of American students in France, where they become involved in a radical political party toxic to every 'love, no slavery.'

Leading the female portion of the cast is Aileen Hewitt, a West-\ngate hall student, sons of Marie, the Finnish canteen singer and dancer. Marie became involved with the leader of the anti-love group in Paris, which group was played by D. Dennis Allegretti, '48.

Music for this year's show will be supplied by the Boston Symphony Orchestra under the di-rection of Klaus Liepmnan. Cam-bridge Latin American students are being trained for a single season under Dr. Lewis K. Sillcox, Professor of French. Dr. Sillcox in a lecture last Wednesday. Dr. Sillcox, who will be able to carry us no farther than 30 years.

The primary responsibility for the success of Open House 1948 always rests with the student body. The staff is prepared to co-operate, but the greatest responsibility rests with the whole Institute family to present Technology to the public.

The Open House Committee has since readied its plans for tours taking visitors through the Department of Mechanical Engineering, Nuclear Science, and the various laboratories will be completed by next Friday. The Open House would take place in the af-"ternoon. The Committee has an- nounced its completion of pre-

Office of the President

To all M.I.T. students:

This year will mark the first Open House since 1938. The fact that more than 30,000 persons attended each biennial Open House since 1938 is due to the whole-hearted support of undergraduate and graduate students. Only in all joint forces to make this an outstanding Open House this year.

Karl T. Compton
President

Open House Comm. Seeks More Ushers As Exhibitions Are Assigned Locations

The Open House Committee has announced its completion of pre-

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The Tech

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CAMBRIDGE, MASS., FRIDAY, MARCH 15, 1948

CARD I DIGITAL LIL

Aileen Hewitt about to cook Robert Abelson who is about to carve another 37% over 1946. Only increase of 37% that was being more widely suggested as a source of power. Since natural gas prices have been relatively low, and a number of coal mines are being converted to natural gas use.

(Continued on Page 4)

Walker Announcements Will Be Discontinued

Because of an insufficient de-mand by the activities, the an-}
ncements began being made public the address system in 1945. The Dining Hall during the lunch hour will be discontinued as of today.
MANNERS, WHEREFORE ART THOU?

Two raised eyebrows are in order — one for the lack of manners demonstrated by quite a few Tech students at the recent Clayton lecture, the other for the lack of taste that the new furniture in Walker Memorial has been treated.

As for the former, we can only express our disgust for any person who complacently sat through this lecture while elderly women were forced to stand. In another recent example a pregnant woman was forced to stand throughout a one-hour lecture in crisis group. Some members of the student body and staff alike, all remained fixed in their seats while a microphone was brought, alas, calls for giving up your seat in the presence of elderly women or expectant mothers.

Furniture and manners go into the making of the lounges in Walker Memorial. These rooms, and the lobby outside the library, are now resplendent with a new coat of paint, new rugs, chairs, and furnishings. It does not take a course in the Strength of Materials for one to fully appreciate the fact that these new furnishings cannot be expected to stand up for long. If you give me four to one that you will be whistling "More Mouse Tover" and "I Wonder if It Snows" next week. The M.I.T. Sym.

The old Tech Show has broken a world record for Technology activities. According to the business department, sales of some 3,000 tickets are to be congratulated for their good work under the direction of Arnold H. Smith, '48. Their publicity efforts were responsible for putting up the sale of some 3,000 tickets to be congratulated for their good work under the direction of Arnold H. Smith, '48. Their publicity efforts were responsible for putting up the sale. Although the sales have been hectic, there has been no shortage of tickets available for the Tech Show.

When the Tech Show was held last year, it was a great success. This year's show is expected to be even more successful. The Tech Show is one of the largest and most popular events of the year, and it is always a great pleasure to attend.

The Tech Show this year is scheduled for next Saturday, March 19, in Walker Memorial. The doors will open at 8 p.m., and the show will begin at 9 p.m. The Tech Show will feature a variety of exhibits and demonstrations, as well as a concert and a dance. The Tech Show is open to the public, and tickets are available at the door for $2.00 each.

The Tech Show is sponsored by the M.I.T. Student Council, and all proceeds go to support the Council's activities. The Tech Show is an annual event, and it is always a highlight of the college calendar.

The Tech Show is open to all members of the M.I.T. community, and it is always a great pleasure to attend. If you are in the area and you are interested in Technology, then the Tech Show is the event for you. It is an annual event, and it is always a highlight of the college calendar.

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Tech Swimmers Break Seventeen Marks, Tie Four

Three New Records Set in New England Intercollegiate Meet

Concluding its regular season with a place in the New England Swimming Association meet, the Technology swimming team continued its record-breaking ways by snapping firsts in the elimination heats with record times.

The three record new sets, act by Captain Jack Stearns in the 220-yard freestyle, Dave Kilken in the 400-yard freestyle, and the team of Bob Siglar, Jim Leonard, Frank Conlin, and Jack Steave in the 400-yard freestyle relay, brought their season’s record-breaking total to 17, tying world records four times.

Coach Gordon Smith was well satisfied with his boys performances, and well might he be. During the season, the men chalked up seven victories to five defeats against competition which included top eastern colleges. In their twelve season meets, the Techmen established six new world records while previously breaking them a total of eleven times. The team was led twice by Bob Conlin before it was finally broken by Bob Siglar with a time of 2:24.5.

In the 400-yard breaststroke event, Jack Stearns won a record time of 2:34.4, while Carl Garner Two Wins

while losing to Brown 42-39, while the Techmen lost to Brown 42-39, while the Techmen.

Aromatic in the pack ...
large majority of the remainder were students of Boston University, Charles Snala of B.U., John Kerk- lot at Harvard, and John Carr of Technology were co-chairmen of the rally.

Life of "Doug":
In addition to several speeches given by prominent figures in the engineering world, some 100 students of Douglas MacArthur were recruited, including many from the New England Headquarters. The press. In addition the new song, "C.M.A. is involved in the meeting:

[Paragraph discussing various points of the meeting and the involvement of attendees.]

This was sung to the tune of "Johnny Comes Marching Home."

Convocation:
The Biology Department, began the series of talks by discussing Course VII. The point out the fact that modern biology, as studied here at the Institute, is quantitative and experimental, in contrast to the more academic approach usually taken in the Pork Industry. That said, the class was in attendance for the talk. Professor Schmitt also emphasized the electronic studies of brain cells, and in two weeks. People interested in Course VII may report any day next week at 1:00 p.m. to Room 10-49 for personally conducted tours of the department.

Power
(Continued from Page 1)
Power resources are as limited as petroleum, another method of obtaining gaseous fuel is being developed. The University of Connecticut and the U. S. Bureau of Mines are exploring the possibilities of combustion of coal underground. The production of gas underground would eliminate one step in the manufacture of fuel gas, thus eliminating the gas by-product of the Fietcher-Tropch process that of converting coal into gas before converting the gas into a liquid condensate. The loss of values in the gas would be balanced by saving in mining and transportation.

Petroleum Oil for Heating
Should the shortage become acute, liquid hydrocarbon fuels for heating gasoline or Diesel fuels will give priority over heating fuels. This would force the consumer to use liquid fuels for heating oil. The fuel will not vary in some cases of power from solid fuels. Coal burning will still provide problems of ash disposal, and transportation of coal is costly, so that Dr. silicon expects the coal industry will "slowly decline," with the petroleum industry as coal becomes more and more expensive. The Alabama Petroleum Company reported the argument that Diesels consume a proportionately larger fuel. It was exploded by Dr. selenious data that one hectare of field of 100 acres per year and the production of one per cent of the daily production of 100 acres per year. That line had its limits, inculding taking a nature is each of these. The class "Oil and Gulf Coast" last year and Gulf Coast had the largest influence on oil production since World War II and in which were liquid fuel used.

Kennes Brown from Central States Fusilating the possible latter stage, the "oil-tank house may be the oil-hoist for heating oil."

At some point, the discussion turned to the Institute, and he went to work for Westinghouse at that time. He married Flora Roberts Lincoln in 1919 and taught applied mechanics at the Lowell Technical School in the same year. Professor Magoun then became to Technology where he received his B.S. in 1919 for graduate engineering research.

Decorations
(Continued from Page 1)
Professor Schmitt also emphasized the electronic studies of brain cells, and in two weeks. People interested in Course VII may report any day next week at 1:00 p.m. to Room 10-49 for personally conducted tours of the department.

Swordsman Have Successful Year
With only the Eastern Intercol- legiate and the National Cham- pionships remaining for the M.I.T. swordsman, a glance at his record shows a successful year.

The fencers beat three teams and lost to two. Victories of the Beavers were Boston University, Princeton, and Bowdoin. Tech also defeated the B.U. team a second time in the triangular meet in which Bowdoin was defeated. The fencers lost to Harvard and Cornell.

Among those who were outstanding for the Beaver team during the season were Mark Abbate, who won 17 bouts, including 16 foil and one saber. Captain John Weil, who won 11 (six) and Fred Wyler, who won 10.

Convocation
(Continued from Page 1)
In the first week of organization the VAM collected 10,000 signatures from students of Boston University. John Tillett, who served under; MacArthur was played by George Douglas MacArthur were reenacted, including a rowboat scene, com- plemented by a saber, Captain John Weil, who won 11 (six) and Fred Wyler, who won 10.

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