Track Meet Licks Bates, 89% To 45% Saturday
Sun Johnson, '36, Stars For Technologies With Three Wins
Large Crowd Turns Out To See First Spring Meet
McCallum, Thompson, Nygaard Account For 26 Points Between Them

Oscar Hedlund's charges held their lead until the very end of the exciting final, but Saturday afternoon and christened their winning victory with 13 points over Bates College track men, the score being 892% to 451/3. Anton K. B. Johnson, President of the junior class.

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EDUCATING FOR LEADERSHIP

METHOD VS. INFORMATION

In the sixth annual Steinmetz Memorial Lecture, sponsored by the A. I. E. E., Robert E. Marsh, the Dean of the School of Engineering at Yale University, has given a keen and penetrating analysis of engineering education in America. Discussing "An Underdeveloped Phase of Engineering Education," he decries the lack of any systematic program of education for leadership in the engineering profession. In his critique of the present educational processes, he stresses at some underlining which we lack in our best institutions for technical education.

He points out the great difference between scientific training and training in the scientific method. This distinction is often quite forgotten by instructors whose primary interest is to infuse facts into their students' minds rather than to train them to do independent and original thinking. To cultivate proficiency in the use of the scientific method, the student must be given the opportunity to obtain experience in such utilization. There is nothing that can be taught to him as he remains passive. He must be assigned projects or problems that give him an opportunity to exercise judgment and ingenuity, rather than those that require only the repetition of methods which his instructors have laid out for him.

In engineering, there has been frequent reference to this hallowed educational objective in public utterances by members of the administration. Yet, when engineering education was technical training prevents the effective application of these ideals to actual practice. In too many courses the student burdened with a great quantity of facts in a greater or lesser state of organization. Little opportunity for the development of the scientific method of thinking is afforded by such courses. With the evolution of a more consistent educational policy, we can expect such courses to be deleted from the curriculum and the instruction they purport to give left to institutions that train technicians.

A reorientation of educational trends is needed. The institutions that take the present "good enough for me." By virtue of its inexperience, youth has at once an advantage and a disadvantage over its elders. With life before it, youth is inclined to be idealistic; with few prejudices, it is likely to be more receptive to new ideas; but it often lacks the ability to judge those ideas with the wisdom and sagacity that years of practical experience with the world of men can give it. Sensibility, the other hand, already settled in life, is disposed to be cynical; with more contact with the world, it is likely to find difficulty in accepting ideas which do not jibe exactly with its hardened prejudices.

Obviously, what is needed is a synthesis of the better qualities of both. There is a necessity for men with sufficient vision and clear-sightedness to see and plan the necessary changes and at the same time enough hardened pragmatism to bring them to realization. Youth has much to learn from age; age has much to learn from youth. Of the two, youth is much more willing to learn, if only age will give it credit for what intelligence it has, and take the trouble to point out what is to be learned.

State of awareness which provides the possibility of youth's having intelligent ideas. The desirability of altering the present status of things somehow seems repugnant to this modern adult, although remarkable scientific and other advances have given him profound faith in the idea of progress, and yet, by his aforesaid attitude, he is prone to consider the present as "good enough for me."

APPRECIATION

The Editor wishes to express his appreciation of the kind assistance with The Tech. The open House program of Mr. Henry M. Lane, Radio Editor of the Boston Post, Mr. Kelly of the Western Telephone Co., Mr. Keeth of the New England Telephone and Telegraph Co., John Westfall, 34, Captain of the 1804 Boston Police Department, and a society for the use of their call letters WIMX.

ELECTIONS

Volume LV of The Tech announces the program for the coming semester. A. S. C. C. to present Dramatic Editor: Irwin Sagaylo, 37, Filing Editor and George M. Levy, 37, Assistant Signatories. Editor.

College students are sadly apathetic about American life, with especially young and recent students at the fringes and the parodies of the capitalist system in general. Nothing seems to escape the biting ridicule of these authors of "Skeevore." The police, A. A. A., universities, the House, newspapers, the propertied, the real estate, fascism, etched Clay stories, the tabloids, strike, college educators, Hins, Fisher Cragg, J. General Johnson, President Roshek, Wall Street, court justice; not all come in for their share of "laughing" in the rapid panorama of thrilling events.

Shanghaied by a Silly Salt?

When a retired skipper proves he is anything but retiring, by dropping anchor alongside of you... don't let him wangle your whole evening. Offer him an Old Gold... he'll welcome it like a breeze in the doldrums... while you breeze gracefully away.

AT TRYING TIMES...TRY A Smooth Old Gold

Shanghaied by a Silly Salt?... light an old Gold

TUESDAY, MAY 7, 1935

Open House Cleo

Now that the last wide-awake visitor has dragged his aching feet from the Institute, and the recruits from the army of the unsmugly are finally gathered in gathering the miscellaneous cigarette stubs and ice cream papers from the annual headquarters campus, we are moved to reminiscence on a few of the acts of the day.

For example, there was the girl who wrote to her young engineer to inform him that she didn't dare come to Open House because she was afraid of making a nuisance. He finally concluded that she could master the biggest steam engine that ever overcharged her eye, and yet, by the same time enough hard-boiled pragmatism to bring them to realization.

However, the expression of this News and Editorial Room, Walker Memorial, Cambridge, Mass., has been thoroughly inundated, are likely to enrol the old salinity of their elders an attitude of be-sealed indifference. The expression of this attitude, if, indeed, the better is taken to express the genuine, this attitude, we fall into the very trap that our students have such silly ideas; they will outgrow them.

Of course, the first assumption is obviously a mistake; that the mass of American college students are sadly apathetic about modern problems. But the grave danger in such an attitude is that it is conducive to a
I turned to Greater Boston golf and whitewashed 6-0. Yesterday they stroked last Saturday only to be the way to Maine to meet the Bowdoin Drop Meets To Boston College, Lose Two Matches Tuesday, May 15

CONTINUED ON PAGE 4

Frosh Trackmen Win From Milton, 71 1/2-36 1/2
Harold Code, High Scorer, With Ten Point Total
On Friday afternoon, the frosh track team journeyed to Milton, Mass., where they met the Milton Academy trackmen. The final score being 71 1/2 to 36 1/2, Oscar Hol- lond's stars in the P. T. competition this past winter accounted for most of Tech's points. Harold Code ran ten points faster than the 1/2 mile run and the 220 yard dash. Hal for tied with Kang for first in the high jump and also turned in a second place in the broad jump. Kline accounted for six points with a first in the broad jump and a second in the pole vault. Other wins were turned in by Kikala in the mile, Hedy in the 880, Cagwin in the javelin and Schreier in the hammer throw.

Williams Lacrosse Men Beat Tech 9-5
Beavers Lose Close Game After Holding Williams Up To Final Period
In its fourth game of the season, the M. E. T. Lacrosse team lost to Williams College on Saturday afternoon by the score of 9 to 5. This is the closest that the team has come to winning a game this season. The Tech men played the rugged team they have met this season and held them to a tie until well into the third quarter. Technology opened up by scoring the first goal and continued to tie the Williams men, goal for goal, throughout the first half. This was the first game in which the playing ability of the Tech men has been superior to that of their opponents. The team's handicapping is the lack of players; only eleven men were used to maintain a four-man team throughout the game. Capt. Fred Forster was as usual the high individual scorer in the game. The next game will be with Tufts College Monday afternoon, the only Tech varsity victories of the season being narrowly lost to Princeton University. The principal players on Technology's team are Capt. Fred Forster, Goalie Jim Carr, Dick Halloran, Dave Mathias, Dick Wehles, Dick Morton, George Gurney, Alan Zenosky, John Pellecchia, Hal for, and Rinier Wirts.

FROSH TRACK MAN

HIGGINS' DRAWING INKS

HIGGINS' DRAWING INKS


Above all I'm your best friend

I am your Lucky Strike

Others may disappoint. I never do. I always mild, always fine to taste — because I'm made of fragrant, expensive center leaves, only. Turn your back on top leaves. They're raw, bitter, stinging. Turn your back on bottom leaves. They're coarse, sandy, gritty. Before I consider it worthy, every leaf must be a center leaf, mild, fine-tasting, fragrant. I don't irritate your throat. Above all—I'm your best friend.

Try me I'll never let you down

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THE TECH

SPORTS COMMENT

Pleinty of baseball is scheduled for this week for the players at Tech. These contests are listed for the Collegians, the independent team. Today they clash with the Boston University players, with other games on the sched- ule for Thursday and Saturday. The interclass league schedule for the week started yesterday with a 7-3 win for the Seniors over the freshmen, and con- tinues with two more games tomorrow and Friday. Then we won't forget the "Starless League", for inter-dorm bottles are being played every morning at 7 o'clock.

It's hard enough to lose your shirt when you are a member of a defeated crew, but when you juggle home with the knowledge that your shirt is in an opponent's possession, we think that taking a little too much advantage, for those of you who are unfamiliar with rowing traditions, it is the custom for the right victorious aca- demic to annex the shirts of the members of the vanquished boats. Bob Thomas was among the varsity men who handed over their shirts Saturday, but when he went to look for his shirt they were gone. We wager that Bob will be more careful in the future.

An expected, Antos Khan won the high scorer in the Bates-Tech meet on Open House Day, but his efforts were not sufficient to keep his team in the running. Stan Johnson rolled up the high individual total for Tech. If

Netmen Beaten By Amherst Varsity

Freshmen Wins From Tufts By 6-3; Oldfield Elected Captain
Technology's tennis teams broke even in the matches held last Thurs- day afternoon, the varsity losing to Amherst at Amherst by 7-3, and the freshmen scoring. The var- sity meet with Brown scheduled for Open House Day was postponed be- cause of the wet courts.

Cliff Lytle, No. 3 man, in the sing- les, and Scott Rohrbach and Jack Sil- vernman, No. 1 double team, provided the only Tech varsity victories of the week.

WATSON'S

1880 Boylston Street Convenient to Prudential Ave.

TUNES IN-Loonies are on the air Saturdays, with THE HIT PARADE, over NBC Network 8 to 9 p. m. E. D. S. T.
Ceramics
(Continued from Page 1)

Spectroscopy
(Continued from Page 1)

The competition of the stars from an analysis of the light they emit. This method also has important applications in industry and engineering. Special emphasis will be given at this year's conference to the biological applications of spectroscopy, the spectroscopic analysis of materials, and photographic photometry. A new feature will be a series of meetings sponsored jointly by Technology and the Harvard Observatory, on astronomical spectroscopy.

Announcements were made also of a series of courses in spectroscopy to be given at the Institute during the summer. Instruction will be given in radiation measurements, quantitative spectroscopic analysis, and practical and applied spectroscopy. Qualified spectroscopists, as well as students carrying on investigations in any field in which spectroscopic methods are applicable, may arrange to carry on individual research in the Institute's laboratories.

Track
(Continued from Page 1)

Erato in the broad jump, 130 lb. high hurdles and 220 yd. low hurdles. Walt Nygaard turned in wins in the 110 and 220 yard dashes. Dave McLellan turned in a first in the 440 yard dash, a third in the 100 yard dash and a second in the 220 yard dash.

Father-Sons
(Continued from Page 1)

The committee, of which Fred Wassermal, '37 is chairman, is making an attempt to have other members of the Boston Braves attend the banquet.

Singing during the banquet will be F. A. A. Medd, '37, and Fred Wassermal, '37 is chairman.

Class Crews
(Continued from Page 1)

next few days to try to beat the yearling.

Although a Junior boat was working out regularly earlier in the year, the men have dropped out, but it is hoped that the majority of them will return. Should the freshmen win the regatta of Friday, it will be the first time in a number of years that a first year boat has been able to walk off with the coveted cup.

Manager Hayes has suggested that new candidates report to the boathouse today, so that the final boat arrangements may be completed as soon as possible.

Golf
(Continued from Page 1)

received a 5½ to 3½ winning at the hands of Boston College. The Eagles were without the services of Captain Flood in both matches. In his absence, Goodwin moved up to Number 1 playing ahead of Ool, Everett, and Copeland. In yesterday's match, however, Ever- set was moved to the head of the list. This match was a six man affair, with Ool, Goodwin, Prouty, Copeland and Vogel completing Tech's team. The match was held at the long and difficult Randy Burr course.

Wednesday the Beavers will meet Colby at Oakley.

Everything that Science really knows about making cigarettes is used in making CHESTERFIELDS

Terry, is in great demand by collectors at the present time. Authenticated pieces of the more outstanding types are now.

"A method of pressing glass in iron molds was developed at this glas works or in Sandwich about 1825, which is the beginning of all modern machine-made glassware of today."

The Ceramic division is planning to put up a new display each month beginning in the fall. The next display will probably consist of a collection of the first art tiles made in the United States. These were made about 1870. It is estimated that the department's collection contains enough material for monthly displays for several years. The purpose of the display is to aid the students' actual work with the historical background.

Tennis
(Continued from Page 8)

afternoon. The team was composed of: Singles: 1, Scott Bethorst; 2, Jack Silverman; 3, Cliff Lytle; 4, Fred Drimmel; 5, Tom Terry; 6, Jim Notman; Doubles: 1, Bethorst and Silver; 2, Lytle and Terry; 3, Drimmel and Notman.

Freshman Sweeps Tufts
The freshmen net men journeyed to Tufts to swamp the Medford, Mass., team, winning four of the singles and splitting the doubles matches.

Before the Tufts match, Kenner R. Oldfield, Jr., was elected to expand the freshman team for the remainder of the season. Oldfield is a member of Sigma Chi fraternity.

The next freshman match will be played against Andover Saturday afternoon.

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