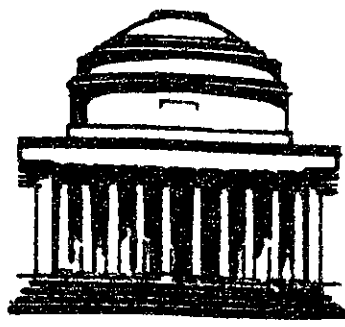


The Tech



2-286

Vol. LIX, No. 29

CAMBRIDGE, MASS. FRIDAY, MAY 19, 1939

Price Five Cents

Frosh Camp To Be Larger Next Year

Fourteenth Annual Camp To Open Sept. 22 At Massapoag

DENISON WILL SING

Friendship Lodge at Camp Massapoag will be enlarged at the expense of the T.C.A. Advisory Council in order to accommodate all the freshmen attending the fourteenth annual Freshman Camp next fall.

According to present plans, the camp will open on Friday, September 22, and will extend until Registration Day, Monday, the 25th. The program will feature talks on "From School to College", and on "The Place of Religion in the Life of a College Man".

Obie Denison to Be Present

Obie Denison, '41, will be present to give his usual humorous renditions of old and popular songs. Rev. Carl Heath Kopf will conduct the Sunday afternoon vesper service. Those who desire to attend Sunday mass will be transported to East Pepperell, Mass.

As usual, President Karl T. Compton, Dean Harold E. Lobdell, and other members of the Faculty will come up on Saturday afternoon to address and converse with the incoming freshmen, while leaders of the various activities will also go up during the camp period to acquaint the new men with some aspects of Technology.

Werby Is Elected Debate Club Head

Closing Meeting Highlighted By Reports, Elections And Debate

Russell T. Werby, '40, was elected president of the Technology Debating Society at the closing meeting and banquet held last night in the Dutch Room of the Graduate House.

Stanley Backer, '41, was elected vice-president and manager of the debating team, succeeding in the position which Werby occupied last year. Franklin P. Seeley, '42, secretary-treasurer; Franklin G. Klock, '42, corresponding secretary; Weyville B. Nowak, '42, Sophomore representative; George C. Newton, Jr., '41, Junior representative; and L. Hurley Bloom, '40, Senior representative, were the other officers chosen at the meeting.

Stage Extemporaneous Debate

Novel highlight of the evening was

(Continued on Page 4)

Debate

Institute Notices

Reports for the second term are sent to the student's home address. For students living outside the United States or Canada, reports are mailed to their term addresses. Students who want their reports sent elsewhere must call at the Records Office, Room 3-107, not later than Friday, May 26. Reports will be mailed on Thursday, June 8.

Any Senior who desires a photostat copy of his complete record at the Institute should leave an order at the Records Office, Room 3-107. There is a charge of \$0.50 for the first photostat and \$0.25 for each additional copy ordered at the same time. These will be ready for delivery about the first of July.

Inst Comm Picks Q Club To Handle Frosh Regulations

Next Year's Calendar OK'd Subject To Approval Of W.M.C.

The Freshman Rules Committee was dissolved and its duties put into the hands of the Quadrangle Club by the new Institute Committee at its second meeting yesterday afternoon.

Since the "Q" club, honorary Sophomore fraternity, has already taken over the duties of freshman tie sales, the bill will involve no great changes. The revenue from freshman tie sales will continue to go to the Institute Committee, and the Institute Committee will hold the power to revoke the authority of the Quadrangle Club at any time.

According to the constitution, the bill will be an experiment next year, and will be voted on next year to be accepted in permanent form.

Calendar Approved

The calendar for the coming school year was approved by the Committee, after it was decided that a notice for The Tech sales dates would be included. Members of the Institute Committee who were late are: Thomas F. Creamer, M.I.T.A.A.; James S. Rumsey, Student-Faculty Comm. Willard S. Mott, '41, was absent from the meeting.

A.I.Ch.E. Holds Annual Spring Dinner At Hofbrau

The Technology chapter of the American Institute of Chemical Engineers held its annual spring informal dinner at 6:30 last night in the Gundlach Hofbrau.

Many men from Course X attended and also some of the professors from the department.

"Town of Hull" Hired For Sail

Jackie Ford To Play For 5:15 Club's Annual Excursion

The S.S. Town of Hull has been hired for the annual 5:15 Club Moonlight Sail, to be held on Wednesday night, May 31. Tickets for the event are available this week and next in the Main Lobby. They may also be purchased from Ed Pung or any members of the Club.

This winter the cruise ship was completely remodeled so that dancing may be held on the main deck dance floor and also on the second deck. The third deck is reserved for those who wish to enjoy the moonlight part of the sail.

Ford to Play

Jackie Ford and his orchestra have been engaged to play during the four hour sail, which will begin at exactly nine o'clock. The music will be carried by an amplifying system to the second dancing deck. The committee in charge has announced that refreshments will be available throughout the cruise at the ship's 60-foot bar.

Course Undecided

Although the exact course is yet to be decided upon, it is planned that the ship will cruise through the harbor along the South Shore, then cut across to Nahant and return along the North Shore, docking at 1:00 a.m.

Gridiron Awards Given At Banquet

Morton, DeMaily, Corsa Get Prizes; Speaker Is S. P. Johnston

The Gridiron awards for the three best articles appearing in any of the Institute undergraduate publications during the past year were made by Mr. Henry B. Kane, '24, a former VooDoo man at the annual banquet of the Gridiron, honorary publications society, at the Parker House last Tuesday.

Walter E. Morton, Jr., '41, of the T.E.N., won first prize of \$25 for his article on the manufacture of paper in the October, 1938, T.E.N. Second prize of \$15 was won by Charles V. F. DeMaily, '40, general manager of VooDoo, for his feature on VooDoo appearing in the present Technique. Leslie Corsa, Jr., '41, on the staff of The Tech, won the third prize of \$10 for his series of track stories.

S. Paul Johnston Guest Speaker

Mr. S. Paul Johnston, editor of Aviation magazine and an authority on aeronautical development in Europe, was the guest of honor and main speaker. He discussed the relation between the air defenses of this country and that of the other world powers, and conducted a question period after his talk.

The T.E.N. cup for the best col-

(Continued on Page 4)

Gridiron

Mason Downing Elected DeMolay Club President

Mason Downing, '41, was elected president of the Tech DeMolay Club for the ensuing term at a meeting held last Tuesday afternoon. Other new officers are: Elmer F. Greenleaf, '41, vice-president; William S. L. Christensen, '42, secretary; and Edward F. Thode, '42, treasurer.

Frosh Give Mass Hotfoot To Walkers In Building 2

Nitrogen iodide threw Building 2 into confusion yesterday morning, as it exploded unexpectedly under the feet of passersby on the stairs. All during the first part of the morning loud crackles and bangs disturbed classes and annoyed English professors.

According to information revealed by The Tech's undercover agents, the explosive stuff was manufactured by several freshmen who stole the raw materials carefully collected by another freshman.

This chemical is a favorite of Technology men and has often disturbed the peace of the Dormitories and other residential groups.

25 Are Received Into Beaver Key; Plans Announced

Banquet Serves As Medium For Reception; Pitre Talks

Twenty-five new members of the Beaver Key Society were officially inducted at a banquet in Walker's Silver Room Wednesday night.

At the banquet, plans for next year's intra-mural sports tournament were also announced by President William R. Stern, '40. He stressed the point that schedules would be planned so that play-offs of the various sports would be completed several weeks before the examination period.

Pitre Addresses Group

Guest speaker of the evening was Assistant Dean Thomas P. Pitre. In the course of his remarks, Dean Pitre informed the society that one of its biggest problems lay in the interesting of commuters in the intra-mural sports program of the Institute.

R. B. Lawrance Selected New A.I.E.E. Chairman

Richard B. Lawrance, '40, was chosen chairman of the Institute chapter of the American Institute of Electrical Engineers in a recent election.

The other officers are H. Taylor Marcy, '40, vice-chairman; Ralph J. Kochenburger, '40, secretary; and Henry A. Burr, '40, treasurer. The election was conducted by mail. Ballots were sent to members of the society and the election returns were collected by mail. The four officers received the official approval of the Institute Committee last night.

Senior Dates To Be Housed In Dormitory

Frank Trumbauer's Band To Play For Ball On June 6

USHERS ANNOUNCED

Following the precedent established last year, Walcott dormitory has again been reserved for girls who will be guests of Senior class members during Senior Week, the Dormitory Board announced last night.

Arrangements for the Senior Week program are entering the final stages, according to Robert C. Casselman, general chairman. The permanent course secretaries have been appointed and the list of Junior ushers has been released. Senior Ball plans have been completed.

Live in Walcott June 2 to 6

The entire facilities of Walcott except the first floor will be thrown open as lodgings to the visiting girls. This will provide a total of 56 single rooms which will be available from Noon, June 2 to Noon, June 6. Plans have been made to use the Walcott Music Room as a waiting room since no visitors will be admitted to the reserved dormitory unit.

Two chaperones will be in charge

(Continued on Page 4)

Senior Week

Drawing Methods Offered Teachers

Summer School To Begin New Course In Graphics At Second Session

A comprehensive course in graphics, including new teaching techniques, will be given for high and preparatory school teachers at the Institute this summer, Professor Raymond D. Douglass director of the Summer School, announced today. The course will be given from July 5 to August 15.

Objectives of the new course will be to increase the teacher's knowledge of the theory, standard practices, and practical applications of drawing, to permit them to improve methods of class presentation and choice of material, and to enhance his ability to impress upon students the value of the study of drawing as a discipline in precision and a means of developing the power of visualization. Professor John T. Rule, chairman of the

(Continued on Page 4)

Drawing

Many Successes Mark Schell's Career, But Story Of His Life Is Far From Dull

This is another in The Tech's series of biographical articles about prominent Institute professors.

The careers of so many successful men sound like fairy tales that it is a pleasant change to find someone like Professor Erwin H. Schell, head of the department of Business and Engineering Administration, who has climbed up the ladder without falling a couple of times. His life, however, also shows that a smooth career does not have to be dull.

Professor Schell was born in Kalamazoo, Michigan, on September 29, 1898. He came to the Institute in

1908 and received his S.B. in Mechanical Engineering in 1912.

Had Several Occupations

In the years following his graduation Professor Schell had a variety of industrial experiences. He went to work first for the American Locomotive Co. as an operations engineer. A year later he became a resident engineer of H. C. Raynes, Inc., industrial engineers, in Boston. When Professor Schell joined the U. S. Car-

(Continued on Page 2)

Schell

Ten Technology Students Are To Visit Western Europe In Thorne-Loomis Tour

Ten Institute students will visit eleven western European countries this summer as a part of the annual Thorne-Loomis tour. The trip is designed to acquaint American students with scientific and industrial conditions on the Continent.

The touring party will make use of a truck which was especially designed and constructed by the Thorne-Loomis foundation to provide complete sleeping quarters and eating accommodations. In this way the cost of travel is limited to gasoline, oil, insurance, and steamship fare. In the larger

cities, hotels and restaurants will be used.

Travelers Listed

The men who are to make the trip are Edward L. Batholomew, G., William S. Brewster, '39; Eugene E. Crawford, '41; John A. Eaton, '40; James M. Gillis, '41; J. Peter Hunsaker, '39; James H. Laubach, Jr., '39; Oswald Stewart II, '39; John van Riper, '41, and Donald W. Waterman, '39.

Among the countries to be visited are England, Norway, Sweden, Germany, Denmark, Italy, Switzerland, and Holland.

The Tech

Vol. LX Friday, May 19, 1939 No. 29
MASSACHUSETTS INSTITUTE OF TECHNOLOGY

Managing Board

General Manager William S. Kather, '40
Editor John G. Burr, Jr. '40
Managing Editor Phelps A. Walker, '40
Business Manager J. William Blattenberger, '40

Editorial Board

Robert K. Deutsch, '40 Wylie C. Kirkpatrick, '40
Russell T. Werby, '40

Associate Board

Assistant Editors

Clayton K. Baer, '41 Frank J. Jerome, '41
Adolf Bertsch, '41 Raymond F. Koch, '41
Leslie Corsa, Jr., '41 Martin Mann, '41
Harold E. Dato, '41 Howard J. Samuels, '41

Business Associates

Donald B. Cameron, '41 Ben K. Duffy, '41
Cranmore W. Chue, '41 Howard A. Morrison, '41
Staff Photographer Robert K. Prince, '40

Offices of The Tech

News and Editorial—Room 3, Walker Memorial, Cambridge, Mass.
Telephone KIRKland 1882

Business—Room 301, Walker
Telephone KIRKland 1881

SUBSCRIPTION, \$1.50 Per Year

Published every Tuesday and Friday during College year,
except during College vacation.

Entered as Second Class Matter at the Boston Post Office

REPRESENTED FOR NATIONAL ADVERTISING BY

National Advertising Service, Inc.

College Publishers Representative

420 MADISON AVE. NEW YORK, N. Y.

CHICAGO · BOSTON · LOS ANGELES · SAN FRANCISCO

1938 Member 1939

Associated Collegiate Press

Distributor of

Collegiate Digest

Night Editor: Jack L. Collins, '42

The class will carry on through a mental fog of hangovers and the instructor will have a losing fight against a barrage of knowing glances.

We hope the faculty will come to a realization of the subtle way in which they are being led to perdition by unscrupulous students, and will summon up enough will power to stave off undergraduate hands that beckon along the primrose path.

DEAR EDITOR—

The Tech assumes no responsibility for communications printed in this column, nor do they necessarily represent the editorial opinion of this paper. All communications must be signed by the writer, whose name will be withheld on request.

Editor, The Tech:

Regarding the article in A. M. York's column in your issue of the twelfth, the danger of exhaustion of the earth's supply of atmospheric oxygen does not seem very imminent. Atmospheric pressure at the earth's surface is about a million dynes/sq. cm. or 1035 grams/sq. cm. This means that above each square centimeter of the earth's surface there are 1035 grams or 35.6 moles of air. If we take the radius of the earth as 4,000 miles we find there are 5,240,000,000,000,000,000 sq. cm. of surface and so there must be a total of 186,000,000,000,000,000 moles of air. Of this one fifth (37,300,000,000,000,000 moles) are oxygen and, since oxygen and carbon on uniting liberate 94.4 kg-calories per mole, the conversion of the total atmospheric oxygen into carbon dioxide would liberate 3,520,000,000,000,000,000 kg-calories.

I think the world's population is generally estimated at two billion and, to be conservative, we may assume that each person is using 3,000 kg-calories of food per day. According to this the present supply of atmospheric oxygen will last the world's present inhabitants 587,000,000 days or 1,670,000 years. This of course neglects all the animals, insects and fishes but it also neglects all the grass, trees and shrubs which are continually returning oxygen to the atmosphere. The net result of these calculations leaves me more worried about Hitler than about slow suffocation.

Very truly yours,

A. L. M. DINGEE.

Editor, The Tech:

In connection with Professor Hamilton's letter, I would like to point out that the faculty rule nine does not protect all students from an overdose of examinations. This rule merely provides that no more than five examinations can be scheduled for any one course in a term. Students who are so unlucky as to have a mixed schedule or an overload may have, and sometimes do have, six or more examinations.

A STUDENT.

SCIENCE IN BRIEF

by ARTHUR M. YORK, '38

THERMO-COLORS

One way to determine moderately high temperatures is by the use of certain paints (such as those containing metallic iodides) which change color when they have reached certain temperatures. The method has long been known but it had many limitations until recent developments in Germany uncovered paints that undergo sharp, distinct, and permanent color changes at reasonably definite temperatures. For instance, one paint changes from rose to blue at 30 degrees C., another from yellow to violet at 110 degrees, and another from violet to white at 440 degrees. Several of the paints have two or three different color changes at two or three definite temperatures. This method of temperature measurement is particularly useful in machine bearings and gasoline engine cylinders, places which are not easily accessible to other techniques, but which can be painted with these special paints and, following test runs, can be opened and observed for the color changes which indicate the temperatures which have been reached.

AMBER LIGHT

Since the first installation five years ago at a highway intersection at Revere Beach, Mass., the use of sodium-vapor luminaires for street lighting has been extended to many applications in 42 states and many American possessions. Bridges, including the Golden Gate Bridge, tunnels, crossings, squares, and dangerous intersections are among the common applications. The 17-mile highway between Schenectady and Duanesburg, New York, is the longest stretch using sodium-vapor lighting. Among the prominent advantages of sodium-vapor lighting are decreased glare on the road, the amber-yellow color of the light which is universally accepted as a symbol of caution, and the fact that twice as much light is produced from the same amount of electrical energy as in the customary incandescent lamp.



Accuracy

It was in T. M. Lab. They had busted a piece of cold rolled shaft and had forgotten the only scale value they were supposed to have recorded—the maximum load.

One said it was 48,000 pounds, another said it was 52,000 pounds. "We'll toss for it," said one, and they did, and 52,000 pounds was duly recorded. And this is the training in scientific method Tech boasts of.

(Note: For the benefit of the T. M. Lab. instructors, the above figures are fictitious.)

Records

The Lounger has been following with great interest the job of putting Tech "on the record" that the alumni association has been doing. There was the time the recording outfit was set up in steam lab during a run on one of the pumps or something and one of the boys hissed gently at the mike every time he went by. It sounds just like a quiet little job of wire-drawing.

As for the job of getting a recording of a man snoring during a dull lecture, just follow the Lounger around for a day. Or set up the apparatus almost anytime in Room 3-270.

Amphoterie Associations

The scene was Chemistry 5.02 lecture, a never failing source of amusement. Professor Gamble was explaining the uses of various Magnesium salts. "Magnesium Sulphate, known as Epsom Salts, is used extensively for fertilizers", quoth he. The good professor was quite amazed at the roar of laughter which followed. Why did they all laugh?

Schell

(Continued from Page 1)

tridge Corp. at Lowell, Mass. in 1915 as an industrial engineer and labor manager, he faced the task of coordinating a war time expansion from 400 workers to 14,000.

After a successful completion of this job he became treasurer of the Henry Miller & Sons Piano Co., and during the years 1917 to 1919 successively industrial engineer, assistant to the vice president, and treasurer of the American International Shipbuilding Corp. From 1921 to 1923 he served the same company as management counsel.

Started at Tech in 1917

Professor Schell took up his academic career as assistant professor of Business Management at the Institute in 1917 while he was still active in industry. In 1924-25 he taught at the Harvard Graduate School of Business Administration as an Assistant Professor of Industrial Management. He then returned to the Institute where he was promoted to an associate professor in 1926 and to a full professor in 1929. Upon the resignation of Professor Davis Rich Dewey in 1930, Professor Schell became head of the Department of Business and Engineering Administration.

Talking about the development of his department Professor Schell stated that a special committee of the Alumni Council was responsible for the creation of the curriculum. Many alumni with long industrial experience, he declared, felt the need for men who had a business training as well as a thorough engineering back-

EAT AT THE
PINE TREE DINER
AMES ST. BEHIND DORMS
Meal Tickets—10% off—\$3.50 for \$3.00
PROP. HOTEL CHEF

NOW THE POPULAR DINING ROOM IS
The MARY STUART Dining Room
94 MASSACHUSETTS AVENUE, BOSTON Just over Harvard Bridge

Committee Requests All Refugee Pledges Be Paid

A request that all outstanding pledges and further contributions to the Refugee fund be paid as soon as possible was made by Norman R. Klivans, '40, chairman of the Refugee Committee. The pledges must all be paid before the Refugee Student Program can be completed.

ground. On the basis of their recommendations the course in Business and Engineering Administration was started in 1914. About 1929 graduate work was added.

Should Know Steps of Manufacture

"We are training men to become specialists in the coordination of the work of others", Professor Schell stated. "They should have a fundamental knowledge of each function of manufacture: production, marketing, finance, accounting, labor, and law. We believe that more than half of the curriculum should be devoted to engineering and science."

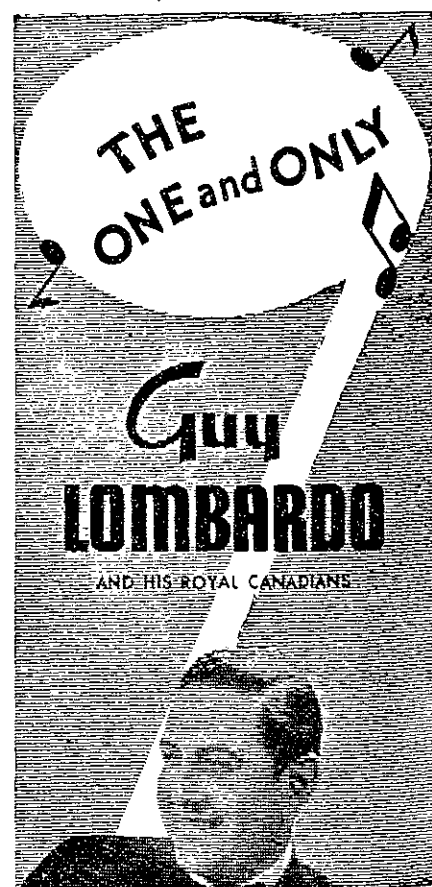
The technical part of the course—at present there are two options, one based on the physical, the other on the chemical sciences—is laid out and approved by the heads of the respective departments.

Professor Schell does not believe that his curriculum is perfect, despite its flexibility. He is faced with the problem of getting three pints into one quart. He wants to adjust his course to the changing demands of industry which created it. For this reason he has invited 1600 alumni for a commemorative program on June 4, where conferences will be held on plans for the future.

Has Raised \$27,000

Like most successful men, Professor Schell has his hobbies. He confesses a liking to take colored moving pictures, but his chief hobby is money-raising. He was responsible to a large degree in the establishment of sailing as a major Institute activity. In 1935 he raised \$27,000 from alumni for the sailing pavilion and 36 dinghies.

He also likes to write and has kept up an extensive conversation with graduates of his department for the last 15 years. In 1924 he wrote "The Technique of Executive Control". Since then he has collaborated on many publications. He is a member and president of the house corporation of the Theta Delta Chi fraternity



DINNER & SUPPER DANCING
nightly except Sundays
ROOSEVELT GRILL MADISON AVE.
AT 45TH STREET
Private Passageway from Grand Central
TELEPHONE MU 6-9200 FOR RESERVATIONS

A POSSIBLE PITFALL

In its meeting last night, the Institute Committee voted to abolish the Freshman Rules Committee and turn over that entire function to the Quadrangle Club. This means that that Sophomore organization is in full charge not only of supervising the freshmen but also of punishing any violation of the freshman rules.

The tribunal formerly in control of that punishment has up to now been composed of Juniors and Seniors, who may be considered relatively impartial. This tribunal is now in Sophomore hands. It is susceptible to considerable misuse, and its operations next fall will require the exercise of considerable judgment and tact.

On other counts, this action of the Institute Committee is to be wholly commended. Enforcement of freshmen rules is properly a Sophomore function; it is the Sophomores who have these rules at heart, and it is on them that the stirring up of class spirit in the new freshmen depends.

However, the Sophomores now have in their hands a power of official punishment which they will do well to handle carefully. They may be too close to the battle to keep the proper judicial and impartial frame of mind necessary to use this power.

AN INSIDIOUS PRACTICE

We cannot but look askance at the undergraduates at Tech who periodically entice their professors to beer parties and ply them with alcoholic beverages. Only this afternoon, we found in a report dated 1872 written by an English commissioner in India that habitual drinking was largely confined to the lowest group of aborigines. This definitely places the students and the faculty in a specific class.

This low, immoral tendency would hardly be one to view with alarm, except for the increasing frequency with which it is occurring. It distinctly shows a trend of some kind.

Of course, there are those rationalizing hypocrites who say that such get-togethers are for the purpose of reducing student-faculty friction and promoting good fellowship. It may be. And then again these individuals may just be covering up for their sociable little brawls. Good fellowship and beer do not always go together—at least good fellowship of a kind to be remembered the next morning with pleasure.

Furthermore, consider the effect on class morale. What sort of respect are students going to have for an instructor whom they the night before had deliberately plied with liquor to the point of mutual inebriation?

1941 Upsets Freshmen In Interclass Track

Three Records Are Broken By Brady In Half Mile

Nagle Is High Scorer; Jester And Brady Tie For Second

Paced by John Nagle and Lewis Jester, the class of 1941 scored an 812-74 upset over freshmen numbers at the Spring Interclass Track Meet Tuesday and Wednesday. 1940 scored 50 points while the Seniors trailed with 15½.

Nagle was high scorer of the meet with Jester, varsity hurdler, and Gene Brady, star freshman, tied for second honors. Together with George Clark, '40, they each captured two first places.

Brady Breaks Three Records

Brady broke three records when he turned in a 1:59 performance in the 800, heading Bill Wood, '40 by several yards. He shaved 2 seconds from Morton Jenkins, '35, Interclass Meet record of 1:59.2 set in 1934 and almost two whole seconds from the freshman record of 2:01 set by Gene Cooper, '37. He also captured the mile run, edging Art Gow, '42, in 4:39.8 and placed in the javelin throw.

Dan Crosby turned in a blazing two mile run of 10 minutes flat. Bob McBride, '42, won the 440 yard dash in 51.8 with Vernon Kyllonen, '40, a close second. Jester took both hurdle events and Clark, both dashes.

1941 Takes Four Field Firsts

Nagle was first in the shot put and discus and tied for second place with Captain John Hamilton, '39, in the high jump. Stan Van Greenby, '41, tossed the hammer just 2 feet farther than Karl Baresel, '42, to win the event. Alex Welch also won a first—the javelin—for '41. Howard Marshall, '39, broadjumped 22' 7½" for a first; Dick Wilson, '40, took the high jump at 5' 10" and John Gilbert, '40, won the pole vault going up to 11' 6".

The summaries:

120 Yard High Hurdles—Won by Jester (41), second, Taylor (40); third, Schultz (42); fourth, Muller (42); fifth, MacNee (42). Time: 10s (equals meet record).

100 Yard Dash—Won by Clark (40); second, Hansel (41); tie for third between McBride (41) and Edmunds (42); fifth, Jester (41). Time: 10s (new meet and track record disallowed because of wind, equals M.I.T.A.A. record).

1 Mile Run—Won by Brady (42); second, Gow (42); third, Backer (41); fourth, Warren (42); fifth, Turnock (41). Time: 4:39.8.

440 Yard Run—Won by McBride (42); second, Kyllonen (40); third, Wood (40); fourth, Heimer (41); fifth, Little (41). Time: 51.8s.

2 Mile Run—Won by Crosby (40); second, Gow (42); third, Rhode (40); fourth, Backer (41); fifth, Hayden (41). Time: 10:00 (new track record).

880 Yard Run—Won by Brady (42); second, Wood (40); third, Corsa (41); fourth, Little (41); fifth, Wallace (41). Time: 1:59.2 (new meet record, new track record, 1st freshman record).

220 Yard Low Hurdles—Won by Jester (41); second, Taylor (40); third, Kyllonen (40); fourth, Schultz (42); fifth, Brown (42). Time: 25s (equals meet record).

220 Yard Dash—Won by Clark (40); second, McBride (42); third, Hensel (41); fourth, Carleton (39); fifth, McKee (42). Time: 22.4s (equals meet and track record).

Pole Vault—Won by Gilbert (40); tie for second between Russe (41) and Eberhard (42); fourth, Judd (42); no fifth. Height: 11' 6".

High Jump—Won by Wilson (40); tie for second between Hamilton (39) and Nagle (41); fourth, Ford (42); tie for fifth between Simonds (42) and Power (42). Height: 5' 10".

Broad Jump—Won by Marshall (39); second, Ford (42); third, Booth (41); fourth, Smith (42); fifth, Zeitz (42). Distance: 22' 7½".

Javelin Throw—Won by Welch (41); second, Koss (41); third, Ross (39); fourth, Sexton (41); fifth, Brady (42). Distance: 165.3'.

Shot Put—Won by Nagle (41); second, Madwed (42); third, Van Greenby (41); fourth, Erickson (42); fifth, Koss (41). Distance: 42'.

Discus Throw—Won by Nagle (41); second, Koss (41); third, Madwed (42); fourth, Ross (39); fifth, Schwartz (42). Distance: 118'.

Hammer Throw—Won by Van Greenby (41); second, Baresel (42); third, Meier (41); fourth, Krauss (42); fifth, Smith (41). Distance: 124.3'.

1940 Track Captain



GEORGE W. CLARK, '40

George Clark, '40 Elected To Lead 1940 Track Team

Track Club Award Goes To Captain John Hamilton; Cups Are Awarded

George W. Clark, '40, was elected captain of the 1940 track team and present captain John Hamilton, '39, was elected to receive the Track Club award at the annual track banquet in North Hall Wednesday.

Cups were awarded to the following first place winners in the Spring Interclass Meet held Tuesday and Wednesday: 100 and 220-yard dashes—George Clark, '40; high and low hurdles—Lewis Jester, '41; 440-yard-dash—Robert McBride, '42; 880-yard run and 1 mile run—Eugene Brady, '42; 2-mile run—Dan Crosby, '40.

Shot put and discus throw—John Nagle, '41; high jump—Richmond Wilson, '40; broad jump—Howard Marshall, '39; hammer throw—Stanley Van Greenby, '41; Alexander Welch, '41; pole vault—John Gilbert, '40. Medals were also awarded to second and third place winners.

Brady, John Silva, and McBride received freshman P.T. awards for first, second and third place respectively. Several cup donors were present to speak.

Henry Elected To Lead Pistol Team Next Year

Richard K. Henry, '41, was elected Captain of the Pistol Team for the year 1939-40 at a varsity meeting last Wednesday afternoon. It was decided that Chiang-Hsueh Wu, '40, should be appointed manager, subject to the approval of the M.I.T.A.A.

Recommendations for athletic awards were made, also subject to the approval of the M.I.T.A.A.

Braunlich New Tennis Captain

Brown Match Today To End Season; Team Has Had Good Year

Dick Braunlich was elected Captain of the '40 tennis season at a banquet which climaxed one of the most successful seasons in years.

Both the freshmen and varsity teams turned in records which were among the best ever had at Tech. With one match remaining the varsity has won four matches and lost two, while the strong freshmen team has won three of their six matches. Considering the fact that the tennis team starts practice at Tech much later than most other schools the records are outstanding.

Braunlich Also Gets Award

Dick Braunlich got all three of the awards. He was awarded the Varsity Club singles award, and together with his doubles partner Paul Keitel won the Varsity Club doubles medal. These men together with Howie Samuels, Phillip Freeman, William Stone, and Jack Berezow are letter men returning for next years team, making the coming prospects good.

Varsity Plays Brown Today

This afternoon the varsity team will travel to Providence to engage a strong Brown team in the last match of the season. The team will be somewhat weakened by the loss of Robert Millar who will be unable to make the trip. The lineup will be Samuels, Braunlich, Keitel, Freeman, Stone, and Berezow. Braunlich and Keitel will probably play number one doubles followed by Freeman-Berezow and Stone-Samuels.

Three Beaver Key Tournaments Near End

Volleyball, Basketball, And Baseball Are Nearing Completion

The Beaver Key Athletic Tournaments for this year neared completion, as Munroe cinched the Volley Ball Championship after defeating Sigma Alpha Epsilon, Delta Kappa Sigma and Theta Kappa Sigma in the final round robin.

The Basketball Tournament also nears its end as Phi Gamma Delta is scheduled to playoff with Beta Theta Pi. The Phi Gamma Deltas defeated a good Senior House team, thus placing itself in this final game for the championship.

Softball Round-Robin Begins

The Beaver Key Softball Contest, the latest of this society's tournaments to get under way is also nearing its final stage. Delta Upsilon will play Phi Mu Delta in the first game of the final round robin which will be narrowed down to four teams. The other two teams in the round robin will be Walcott and the winner of the Bemis vs. Phi Kappa Sigma game scheduled for this Saturday afternoon.

Lacrosse Team Ends Season With Victory

Varsity Wins Over Tufts Stickmen By 6-2 Score

Ending a very spirited season, the M.I.T. lacrosse team defeated Tufts on Wednesday by a score of 6 to 3 for their first victory of the year. The Tufts team gave one of its best performances of the year in this game with Tech, and there was a great deal of spirit and friendly rivalry exhibited in the contest.

J. Peter Hunsaker, '39, playing the position of outhome, starred in the game as high scorer, accounting for two goals. Hunsaker is the high scorer of the team for this year. John Alexander, '39, Captain, and playing inhome, accounted for a goal. He is runner-up for the honor of being the season's high scorer. The three remaining goals were divided among Tom Creamer, '40, playing inhome; Dick Martin, '39, at center; and Wally Schuchard, '40, a second defense man.

Season Full of Spirit

According to Arnold Wight, '40, manager of Lacrosse, a great deal of spirit has been shown for this sport at the Institute this year. There were seventeen regulars out with the team this year. Despite the fact that the season ended with five losses and only one victory, the team kept up its high spirits throughout the year. There was also an unusual amount of goal shooting during the games and many games were lost by very close margins.

Freshmen Look Good

The freshman team, which had a record turnout of twenty-one this year, ended its season last Saturday with a victory of 8 to 2 over Lawrence Academy. The yearling team's record for this season is: One game tied, four games lost, and one game won. Kenneth Leghorn, '42, Captain of the freshman team, was this season's star, though the team as a whole had a great deal of good material which should help Coach Bob Maddux in building a good varsity team next year.

Tech Frosh Sailors Win As Coe Again Leads Field

Again proving the superiority of the Tech sailors, the Frosh sailing team won an informal race with Harvard yesterday afternoon on the Basin. Because of a lack of wind and crew races, only one race was run making the meet far from satisfactory. The Tech skippers were: Jerry Coe, Skippy Carleton, Tom Crowley, Captain Bill Watkins, and Frank Seeley. Jerry Coe, an old hand at "plank" sailing in the middle west, was an easy winner.

The Interscholastic Preparatory School Championships which were held Wednesday afternoon were won by Riverdale, while Milton Academy placed a close second.

New Clothes for Rental
READ & WHITE
111 SUMMER ST. BOSTON

Your Credit is Good
BUY AT BOTH STORES
RADIOS APPLIANCES
ELECTRICAL GIFTS
PHOTOGRAPHIC EQUIPMENT
DEVELOPING, PRINTING AND ENLARGING
One Day Service
WE DELIVER FREE


EMF
ELECTRIC SUPPLY CO.
AND
Camera Exchange
428-430 MASS. AVE.
CAMBRIDGE, MASS.

WALTER'S RESTAURANT
EXCELLENT FOOD AND LIQUORS
Large Porterhouse Steaks Cooked on Electric Grills
a Specialty
COCKTAIL BAR
WALTER'S RESTAURANT
1364 BEACON STREET COOLIDGE CORNER, BROOKLINE

SPORT SHOES
WHITE WITH BLACK OR BROWN SADDLE

\$3.85
ALSO
Plain White and White with Wing Tip
TECHNOLOGY STORE
DIVIDEND TOO

NORTHEASTERN UNIVERSITY
SCHOOL of LAW
DAY PROGRAM . . . Three Years
EVENING PROGRAM . . . Four Years
A minimum of two years of college work required for admission.
A limited number of scholarships available to college graduates.
LL.B. Degree conferred. Admits men and women.
47 Mt. Vernon St., Boston Near State House



Senior Week

(Continued from Page 1)

of the dormitory, which will be completely blocked off from the rest of the dorms. All students who have not left their rooms for the summer will be moved to vacant rooms in the other halls. The porters will move the students' property sometime before Noon, June 1. Although evacuation of Walcott is entirely voluntary, no serious objections have been so far made.

The suggestion to continue the custom begun last year was made by the Senior House committee. The Dormitory Board and the Dormitory Committee gave their immediate approval to the plan. Last year's trial was inaugurated to give the seniors an opportunity to obtain good housing for their guests at reasonable price. The charge for the rooms will be one dollar per occupant per day.

Frankie Trumbauer Plays

Frankie Trumbauer and his orchestra have been engaged to play for the annual Senior Ball at the Copley Plaza Hotel on Tuesday, June 6, from 9 P.M. to 2 A.M. Trumbauer who was a member of Paul Whiteman's band for six years, is coming to Technology as a part of a tour of college proms and dances in eastern United States.

A novel charm has been selected by the Ball Committee headed by Harold R. Seykota, '39, to be presented as a souvenir of the dance. Each girl attending the ball will receive a golden locket, containing a picture of her escort. The Institute seal and the numerals of the Class of '39 will be engraved on the locket.

Reservations at Information Office

Reservations for tables for four, six, eight, and ten couples will be made at the Information office during the next week. At the same time the Senior Week option tickets for the Pops Concert may be exchanged for regular Symphony Hall tickets. The tickets will also be on general sale for those who do not hold options, but who wish to attend the concert.

Course Secretaries for the Class of 1939 have been appointed by Permanent Class President William F. Wingard. The secretaries are supposed to keep in touch with members of their respective courses following graduation in order to promote class solidarity. The following have been appointed as secretaries: I. Willard F. Babcock; II. Oswald Steward, II; III. Will B. Jamison; IV. Thomas B. Akin, Jr.; V. Peter M. Bernays; VI-A. David S. Frankel; VI-C. Walker K. Halstead; VI. Joseph G. Mazur; VII. Arthur S. Grossman; VIII. Richard S. Leghorn; IX. George D. Cremer; X. Nicholas E. Carr, Jr. and Winthrop B. Reed; XII. George W. Beer; XIII. Howard D. Marshall; XIV. Charles E. MacKinnon; XVI. James H. Laubach, Jr.; XV2, Frederick B. Grant; XVI. George L. Estes, Jr.; XVII. William R. Willard; and XIX. Aaron M. White.

Members of the Class of '40 will act as ushers for the entire series of Senior Week events. The following have been selected to act as ushers: Thomas F. Creamer, Valentine V. deOllouqui, Jr., Walter H. Farrell, Raymond C. Foster, Charles S. Godfrey, John H. Hollomon, William S. Kather, Wylie C. Kirkpatrick, David T. Morgenthaler, James S. Rumsey, R. Dixon Speas, Philip A. Stoddard, John B. Titherington, Phelps A. Walker and H. Garrett Wright. Four girls will be chosen at a later date to assist in ushering for Commencement exercises.

Debate

(Continued from Page 1)

an extemporaneous debate on the topic "Resolved: that the dignified game of bridge should replace the immoral game of poker as the national collegiate sport." The affirmative of the subject, which was withheld until just before the argument began, was upheld by Professor Theodore Smith, of the English Department, and Mr. M. Omansky, father of a member of the society. Peter M. Bernays, '39, and Samuel Sensiper, '39, opposed them.

The debate was argued in the Oregon style and was interspersed with witticisms and appropriate remarks which proved entertaining to all. A vote, conducted among the twenty-odd members of the society present, awarded the decision to the team of Professor Smith and Mr. Omansky.

Bloom, retiring president of the society and recently elected president of the Eastern Intercollegiate Debate League announced the appointment of Martin L. Ernst, '41, as secretary-treasurer of the league.

Gridiron

(Continued from Page 1)

legiate magazine was presented to the Marquette Engineer, of Marquette University in Milwaukee, by Professor Frederick G. Fassett, Jr. Karl Youngbeck and Thomas Howe, members of the winning publication, received the award.

Drawing

(Continued from Page 1)

section of Drawing and Descriptive Geometry, is in charge.

Comprehensive Course

The course will include a study of the principles of representation by projection, the making of working drawings, the study of stereoscopic drawings, and an examination of design of courses of study suitable for secondary schools. Although the course is intended primarily for teachers of mechanical drawing, it is expected that teachers of mathematics, science, and allied vocational subjects may find it both interesting and valuable.

CALENDAR

FRIDAY, MAY 19

12:00 Noon Faculty Club Luncheon—Dutch Room Graduate House.
6:00 P.M. Combined Musical Clubs Dinner—Silver Room.
6:30 P.M. Lacrosse Team Dinner—Faculty Dining Room.

SATURDAY MAY 20

8:00 P.M. 5:15 Club Victrola Dance—5:15 Clubroom.

SUNDAY MAY 21

6:30 P.M. Doreclan Dinner—North Hall.

MONDAY MAY 22

5:15 P.M. 5:15 Club Director's Meeting—East Lounge.
6:00 P.M. Alumni Council Dinner—North Hall.

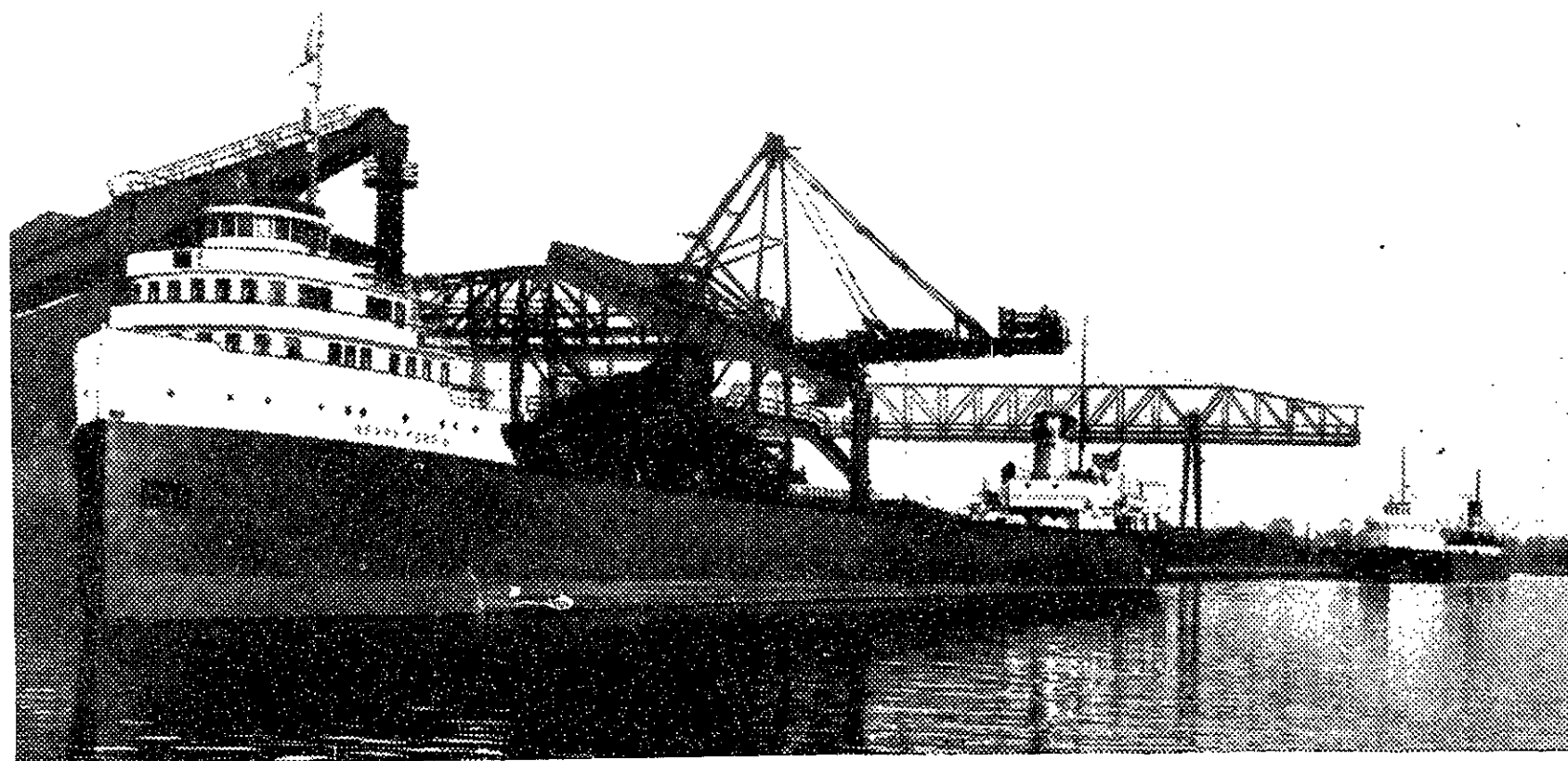
DON'T FORGET...
8.02 & 2.42
REVIEW CLASSES
START
TODAY

8.02: 5-7 or 8-10 P.M. 2.42: 5-7 P.M. only

THE ASSOCIATED TUTORS
410 Memorial Drive, Cambridge
KIRKLAND 4990

THE FLAMINGO
MASS. AVE. NEAR STATE THEATRE
DINNER and SUPPER
DANCING

★ BOB HARDY ★
HIS ORCHESTRA
and ENTERTAINMENT
★ Stellar Floor Show ★
★ DE LUXE DINNER \$1 ★
Never a Cover Charge
SPECIAL GROUP RATES



Loading dock of the Ford Motor Company on the River Rouge

"A penny saved
is two pence clear,
a pin a day
is a groat a year"
—POOR RICHARD'S ALMANACK

RAINBOW ON THE RIVER

THERE'S a rainbow on the River Rouge by the Ford plant—oil in a thin coating, washed from metals and parts by the water used to cool or clean them.

To most folks that colorful coating spelled just oil; no more. To Ford men it spelled "waste." They dipped their fingers in it . . .

rubbed them together . . . reflected.

A few days later a strange device was installed where the stream flows through a narrow channel into the mooring slip. It was an oil skimmer.

Each month that skimmer reclaims thousands of gallons of oil. Reclaimed, it is used as fuel in the open-hearth building.

Poor Richard said straws show how the wind blows. That's how the wind blows at the Rouge. Pennies saved where pennies can be saved safely are multiplied into millions by large-scale Ford operations.

At the end of that rainbow on the waters of the Rouge, Ford owners find extra value, lower price.



FORD MOTOR COMPANY

CHARLIE MUN
Hand Laundry
88 MASS. AVE. BOSTON
Excellent Service — Reasonable Rates — Minor Repairs — Socks Darned Free of Charge.
Shirts (plain) .10
Pajama (suit) .15
Under shirt .06
Under drawer .06
Call for and Deliver
Tel. KEN. 9472