

### New Parkings Rules Announced

#### Go Into Effect Next Monday

New traffic and parking regulations which are expected to reduce crowding on the Institute campus will be imposed by a weaker team.

1. **RESTRICTED PARKING AREA.** Designated as the Parking Yard, bounded by Massachusetts Ave. on the West, Vassar Street on the north, Building 10 and the north side of Building 24 on the east, and the north line of the east of Building 6 and in the new parking area on Briggs Field directly behind the Chemistry Department.

2. **Unrestricted parking area.** The spaces indicated by white lines in the east of Building 6 and in the new parking area on Briggs Field will be open to the use of megalomaniac motorists without restriction.

#### The new regulations follow:

(Continued on Page 2)

### Dormitory Dance To Be Held Sat.

The second annual Dormitory Dance will be held this week in a new series of informal dances will be held on Saturday night in the lounge on the second and third floors of the dormitory.

As an added attraction for those attending the dance, two instructors will be on hand to demonstrate and teach a dramatic dance for the latest steps for the dance has been set at the Dormitory Dance Committee.

The first and only one to be held at a College dormitory, the dance was planned by the entire dormitory in order to provide entertainment for the entire campus.

### Nelson Will Play For Senior Dance


Registration will be given to the students of the results of the Tech will have their annual banquet at 7 P.M. on Saturday, January 10, at the Franklin Room in Boston. 

Horace R. Hurd, chairman of the Institute, will be the speaker of the evening.

Among the guests will be Dr. Harold B. Cook, and others.

(Continued on Page 4)

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(Continued on Page 4)
A fraternity house represents a considerable investment and any possible damage should be minimized. To meet these dangers they should be provided in the most number of each fraternity should be thoroughly familiar with the methods and techniques of fire control and protection.

The Interfraternity Conference has made a beginning in printing copies of Professor Millard’s lecture and it is for the welfare of every fraternity to take advantage of this information.

READ IT, BUT DON’T WEEP

Bulletin board readers will know by this time that the most maligned Walker Memorial Committee has protested by the club’s taking after that big confused social week-end about a month ago. A large chart has been posted on the bulletin board opposite the Cashier's Office which is arranged in calendar form on which the various activities are recorded for the next month.

This is a much needed beginning, and one which should prove to be invaluable if successful. However, from now and on the greater part of the task lies with the individual organization's ability to integrate their social and fraternities and their readiness to use the chart as a guide in planning functions.

We wish to congratulate the Walker Memorial Committee for this progressive step. This is the proper proof as to its success in regulating Technology's jumbled social life remains with the Institute organizations. You can lead a horse to water but you can’t make him drink.

The Reader Speaks

Theory of Economies

December 15, 1941

Editor, The Tech:

Dear Sir:

An interesting article appeared in the December, 1941 issue of The Tech concerning the sale of Defense Stamps at booths in the corridors. The idea is a good one for the time being. Here is the problem: many of these booths will be started late and last only till the end: Give your date defense stamps instead of a postage stamp.

This latter proposal defend the purpose of a less-taxation program which is to reduce consumption in industries conflicting with defense requirements, both as to raw materials and labor. Saving rubber could be better than the spending of excess earnings (if there are any on non-essential things) on a tax cut. The lack of behatnorship on the flower industry which could compete with the roll of dollars spent by the idle hands in the face of the impending defense unemployment.

It is a small matter but typical of the general lack of foresight engendered by war hysteria.

Sincerely yours,

Fred Olsen, Jr.

Objection Sustained

Dear Sir:

With the Seniors already robbed of any vacations until they graduate, I feel that there should be a change in the date of registration for the second term in order that the week-end before classes may be a more enjoyable one. Also I think half a day holiday for the second term is necessary, that the day following registration will be held on Saturday, January 31, the day following examinations. Since the basis cannot be granted for after classes for the senior hour are actually underway, it appears that the date of registration should be changed. It is not necessary why registration not be held somewhere private.

Sincerely yours,

Ronald E. Svec

Technology Awards

(Continued from Page 1)

A little over two months ago the Institute was happy to announce the first recipients of the Technology Awards.

The Institute of Technology is a private educational institution and it is the duty of the students to take an active part in the running of their school. The technology awards make an effort to encourage students to take an active part in the running of the school and to contribute to the betterment of the institution.

The awards are given in recognition of the contributions made by the students in the various fields of technology. The awards are given in the fields of engineering, science, business administration, and education.

The awards are given on a competitive basis and the winners are selected by a committee of faculty members. The awards are given to students who have demonstrated excellence in their work and who have shown a strong desire to contribute to the betterment of the institution.

The awards are given annually and they are an important part of the Institute of Technology's program of student development.

Boil, Dalton, and Church

909 BROAD STREET

BOSTON

INSURANCE OF ALL KINDS
Swimmers Active Through January; Varsity travels
The varsity swimming will travel to Middletown, Connecticut for a meet with Wesleyan University. This meet will be the team's fourth of the season and the first of the year in the grow season. The squad plans to travel to Wesleyan for the meet and return to campus for the past meet until February 17.

Having had its first three meets, the team is expected to make a better showing against its foes. The Technology swimming team, varsity and junior varsity, split two tussles with Harvard in their pool on December 15. The freshmen will continue from the Institute over to defeat a Harvard varsity squad.

Varsity Shares at Home
So far the varsity has had no meets in the Alumni Pool, in fact they have not had any meets until February 23 when Boston University

Ordinates. Sophomore Dick Bettes was the star, scoring most of the goals in the three wins of the season. The quarterback, Gary Edwards handled the final shut-out record making the final score 6-4 in favor of the Engineers.

The Beavers proved to have a better team this year than last and tact if the record of 1940 is any criterion. Last Christmas, Tech was trounced by Colgate, 9-1. This year the Red Raiders succeeded in winning only a single late goal in a hard fought overtime.

Tech Has Improved
This year as last year, Tech won two of the three games to the tune of Colgate's. Last year the Engineers were led by Leilani, 52, and skipped St. Lawrence University, 51.

Changes Planned In Dinghy Racing
Crawley, Wood Attends I.C.Y.R.A. Winter Meeting
At New York Yachting Club
The New England Intercollegiate Dinghy Racing Association will meet at the New York Yachting Club on Tuesday, January 6, 1942. The Winter Meeting will include a round robin playoff tourney to be held over by February 15. Any team not notifying Frank E. Britt at jllsed against Pi Lambda Phi, at the second round can get under way by February 15. Any team that does not notify Frank E. Britt will not be able to play in the tournament.

The varsity will go into action on Wednesday when they play the Harvard Club, Saturday.

No Change Planned In Dinghy Racing
Crawley, Wood Attends I.C.Y.R.A. Winter Meeting At New York Yachting Club

Puckmen Face B.C. Tonight
After Taking Championship Title At Lake Placid During Vacation
Puckmen Down Middletown 4-3
And Leihg 60, Lose to Colgate
(Continued from Page 1)

Puckmen face Boston College's unbeaten team at Arena, Tonight
The puckmen meet the powerful Boston College varsity tonight in the Boston Arena at 8:30 tonight in the fourth game of the season for the New England Intercollegiate League.

The Boston College squad led by Captain Powers has handled in an undefeated season so far for this season. However, the Northeastern team will try to break the run of the Boston College team. The Beemen went down 1-3 to the Harvard University team, 5-3, and Chi Phi against the Delta Tau Delta squad.

The freshmen were completely blanked out as Colgate, Vassar, Bell, Feto, and Good rich, all of E. R. B. won their matches 3-1, 8-3, 9-5 and 50 respectively. The 4-3 win will play Amberholt here.

No Change Planned
In Dinghy Racing
Crawley, Wood Attends I.C.Y.R.A. Winter Meeting At New York Yachting Club

Winter W Issue
Mr. Holyoke College's Winter W Issue will go on sale at 10:30 Wednesday, January 8.
Senior Schedule (Continued from Page 8)

VII. T. FOOD TECHNOLOGY AND INDUSTRIAL ENGINEERING
2.001 Food Engineering 3.5 2.002 Industrial Microbiology 3.5 2.112 Food Processing 3.5 2.121 Elective and Thesis 3.5

VIII. PHYSICS
Option 1. General Physics 4.1 Option 2. Applied Physics 4.1
A. EXPERIMENTAL PHYSICS 4.1 8.132 Exp. Th. Physics II 4.1 8.122 Elective and Thesis 1.5
IX. A. GENERAL SCIENCE
K. GENERAL CHEMISTRY 3.8 2.668 Engineering Lab. 3.2 2.611 Industrial Chem. 3.2 2.612 Chemical Fiz. 3.2 2.605 Prof. Elect. and Theses 4.4

X. A. CHEMICAL ENGINEERING PRACTICE
10.24 Ind. Chemical Lab. 2.1 10.32 Eng. Practicum 12 10.34 2.311 Engineering Mat. 2.3

XI. SANITARY ENGINEERING
1.42 Structures 3.4 1.48 Foundations 3.4 1.52 Structural Design 3.4 1.71 Sanitary Design 5.6 1.022 Sanitary Design 5.6 2.657 Hydraulic Laboratory 2.2

XII. GEOLOGY

XIII. NAVAL ARCHITECTURE AND MARINE ENGINEERING
2.311 Engineering Mat. 3.2 2.271 Testing Mat. Lab. 2.6 2.324 Marine Electric 1.8 12.35 Marine Engineering 4.3 12.37 Ship Design 4.4 12.38 Marine Eng. Design 4.4

XIII-C. MARITIME TRANSPORTATION
Fifth Year
13.71 Ship Design 3.6 13.81 Ship Operation 3.6 13.82 12. Divers Cooperations 3.6

XV. BUSINESS AND ENGINEERING ADMINISTRATION
ADMINISTRATION
OPTION 1 (Based on Physical Sciences)
15.29 Industrial Problems 3.4 15.30 Engineering Elective 3.4

OPTION 2 (Based on Chemical Sciences)
30.11 Industrial Chem. 3.2 30.12 Chemical Env. 4.1 30.15 Industrial Problems 3.4 30.85 Bus. or Econ. Elect. 14.4

XVI. AERONAUTICAL ENGINEERING

XVII. BUILDING ENGINEERING AND CONSTRUCTION
1.48 Foundations 3.4 17.46 Construction & Prof. Manag. 3.6 17.61 Professional Elect.* 3.6

XVIII. MATHEMATICS
Option 1. Pure Mathematics 3.5 2031 Theory of Functions 3.5 2032 Thesiss and Electives 3.5

Option 2. Applied Mathematics
Engineering Elective 3.6 2061 Electives and Thesis 3.6

Option 3. Industrial Statistics
4024 Des. of Experiments 3.4 4025 Advanced Calculus Electives 3.4

The Massachusetts Institute of Technology
CAMBRIDGE, MASSACHUSETTS
THE MASSACHUSETTS INSTITUTE OF TECHNOLOGY OFFERS THE FOLLOWING PROFESSIONAL COURSES:

SCHOOL OF ARCHITECTURE
Architecture City Planning
City Planning Practice

SCHOOL OF BIOLOGY AND PUBLIC HEALTH
Biology and Public Health

SCHOOL OF ENGINEERING
Applied Mathematics
Mathematics
Mathematics

SCHOOL OF GEOLOGY
Geology

SCHOOL OF ELECTRONIC ENGINEERING
Electronic Engineering

SCHOOL OF MARINE TRANSPORTATION
Market Transportation

SCHOOL OF ARCHITECTURE AND MARINE ENGINEERING

It Does Make a Difference . . .
DINE WITH US—SPECIAL EVENING SERVICE
CLUB TABLES — FINE MUSIC
COMPLETE TABLE D’HOTEL DINNERS
MIDNIGHT IN packet... 450

Thursday, January 6, 1917

Recent Discoveries In Atomic Physics Lead To Developments In Geology
Recent discoveries in atomic physics are already finding application in the search for strategic minerals as a result of a new development in the field made at the Massachusetts Institute of Technology which was announced at the joint meeting of the Geological Society of America and the American Geophysical Society in Boston last Tuesday. If a sample of ordinary rock or ore is bombarded with heavy neutrons from the cyclotron, even while it is still in the process of growth, certain elements can be made temporarily radioactive. The distribution and many of their properties may then be determined by merely analyzing the rock or ore after contact with photographic films or by counting the number of clicks that the radiations from the active elements produce in a counter. In other words, all of the elements, as though the active elements left their fingerprints and spoke out loud Disbinguishable by Decay Rate This is possible because each element has its own characteristics and thus the identity of the individual atoms that are giving the film or clicking the counter may be revealed by its rate of action, its activity decrescence. For instance, radioactive phosphorus, which gives off a gamma ray for about 8 hours, is not detectable in ordinary rocks, while gold requires two or three days for a similar decay. Dr. Clark Goodman, researcher, resides in physics, and Mr. Douglas S. Johnston, associate student in geology, have found that many, such as gold, thorium, copper, arsenic, and phosphorus are containing radioactive elements. This means common elements, such as tins, zinctor, aluminum and rutile, which are usually associated as the carrier, are actually radioactive as well. Similar information can be obtained by chemical and spectroscopic methods, but the photo graph-counter method is one that depends little on the knowledge of chemistry and yields information that could doubtless not be obtained.

Dinny Racing (Continued from Page 8)
I.C.V.R.A. to increase the scope of its activities, and to provide greater funds for its management.

Revised System
Under the revised system, members occupying one of three classifications may occupy one of three classifications, which will be the ultimate goal of all other members, Provisional membership, will be made by additional hours of work completed by the organ- ter, therefore the time adjustments in the senior class schedule, since seniors will obtain full units credit in the fourth-year class schedule. The unit credits for the subjects which covers a period of six years. In addition to the Bachelor’s degree, the above five and six year Courses, with the exception of the section, is to be made up in additional hours. In an manner to be determined by the instructor in charge. All candidates for the Bachelor's degree in 1941, including October and December candidates, will be required to follow the revised second term schedule, except as they may possess for substitutions. The revised second term schedule is as follows:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Course A</td>
<td>12 credits</td>
</tr>
<tr>
<td>Course B</td>
<td>18 credits</td>
</tr>
<tr>
<td>Course C</td>
<td>24 credits</td>
</tr>
</tbody>
</table>

The thesis has been omitted in many courses, a student choosing a sample of the following options shall be allowed to do by petition.

<table>
<thead>
<tr>
<th>Option 1</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Option A</td>
<td>6 credits</td>
</tr>
<tr>
<td>Option B</td>
<td>12 credits</td>
</tr>
<tr>
<td>Option C</td>
<td>18 credits</td>
</tr>
</tbody>
</table>

The revised schedule for the various courses may be found on page 10.