



Limitless Process Predicted In Color Films Of Tomorrow

Professor Hardy, at Meeting, Claims Color Process Limitless

Old Photography Was Always Erroneous In Its Foundation

New Method Uses Mathematical Analysis of Color And Light

Complication in the processing of color photographs, both stills and movies, will increase until it will no longer be possible for one man to know enough about the process to do the complete job, said Professor Arthur C. Hardy last evening, at a meeting of the Illuminating Engineering Society at the Institute.

According to Professor Hardy, the color process in photography will approach in complexity such industries as that of the manufacture of automobiles. On the other hand, the actual taking of color pictures will become simpler as time goes on until it will be possible for an amateur to take very good color pictures.

Professor Hardy is known nationally as the founder of mathematical color measurement and an authority on colorimetry and color photography.

Starting with the early history of color photography, when Clark Maxwell took the first photographs in color, Professor Hardy, outlined the history of the three-color process

(Continued on page 2)
Lecture

Voodoo to Offer New Spice; "Murgatroyd," "New Wax" Debuts

Fraternity Number Is Initial Offering of New Deal Administration

Wednesday, February 23, will be marred by the appearance of the first issue of the twenty-first volume of Voodoo, in which the new Board promises the commendable policy of a bigger and better humor publication. The issue, called the Fraternity Number, is calculated to expose the mysterious and evil doings behind the closed portals of the campus houses.

"Murgatroyd, the sweetheart of 1938," makes her bow to the student body on page ten and brings with her all the old favorite jokes and, it is claimed, some new ones.

Continuing in a new splurge of activity "Tom Swift," popular favorite, will again grace the asbestos pages with his adventures at Tech; while

(Continued on page 4)
Voodoo

New Technology Hobby Shop Offers Chance For Individual Initiative

Most recent of the additions to the recreational facilities of the Institute is the "hobby shop" which was opened for use last week.

Located in the basement of Building 2, the shop is intended to give all students with a "bug for building" an opportunity to make good use of their spare time. The room and money for tools and machines were donated by the Institute and the work of installing the machines and setting up the benches has been done by some of the students who have been most interested in the shop. The equipment includes wood and metal working lathes, drill press, buzz saw, jig saw, and all the necessary auxiliary tools.

Few Shop Restrictions

Arthur C. Watson, Instructor in the English department directs the hobby shop but insists upon giving the boys the greatest freedom in the selection of hobbies and the mode of pursuing them. The only requirements are in the line of shop rules which are neces-

Versammlung Der Deutschen-Sprachgruppe Am 23 Februar

Am Mittwoch den 23 Februar im Hoersaal 6-120 um 5 Uhr findet die erste Zusammenkunft der Gruppe zur Pflege der deutschen Sprache im M. I. T. statt. Vorfuehrung des Films: "Winter in Radstadt," mit einer Einleitung von Herrn Professor Ernst A. Hauser, und Lieder gesungen von Mitgliedern des Glee Clubs von M. I. T., unter der Leitung von Herrn Fred E. Ray werden die Gaeste amüsieren.

Seniors To Elect Class Marshalls

Preferential System Utilized In Choosing Marshalls, Committee

Elections for Class Day Marshalls and members of the Senior week committee will be conducted next Wednesday, February 23. The polls will be open in the Main Lobby during school hours.

Four, of whom three will be elected, have been nominated as marshalls, and thirty-four, of whom twenty will be elected, have been nominated as committee members.

The preferential system will be used for the election. Voters are to list as many candidates for each position as they please in the order of their preference.

No pictures or qualifications will be posted, as set forth in the Constitution of the Institute Committee.

Dale F. Morgan, Frederick J. Kolb, Jr., Willard Roper and G. Edwin Hadley have been nominated as Class Day Marshalls.

The nominees for the Senior Week Committee are John I. Argersinger, Franklin S. Atwater, Jay P. Au Welter, Welcome W. Bender, Lloyd Bergerson, John G. Burke, C. Kingsland Coombs, Leonard F. Dowding, Roland S. French, Adam C. Gambel, William G. Gibson, G. Edwin Hadley, Preston Heintz, Harry B. Hollander, Walter

(Continued on page 4)
Senior Elections

Redemption of Prom Options Still Possible This Monday

Options for the Junior Prom may still be redeemed on Monday, Feb. 21, from 11 A. M. to 3 P. M. in the Main Lobby. All but fifty of the options have already been redeemed, and due to the fact that today was to have been the last day William F. Wingard, '39, Junior Class President, stated that a fine would be imposed on options not redeemed by Monday.

It was also announced that groups of seven couples may reserve tables at the dance by applying to the committee.

Dramashop Will Join Simmons In Producing Play

Two Dramatic Organizations Plan Comedy For Outside Theater

Roles For Play Are Now Open

Members of the Dramashop will join the Simmons College Dramatics Association in producing "Let Us Be Gay," a sophisticated comedy by Rachel Crothers, on April 23. As in the past, the play will be given in an outside theatre, possibly with the innovation of a tea-dance in the afternoon to be run in conjunction with the play.

An exceptionally large number of male roles are available, seven in all which include; an ex-husband, not too slow, a dapper man about town, a half-cocked poet, a sweet young boy in love, a butler and two minor characters. Copies of the play are available in the Dramashop office, and men interested in any of the parts should give their names to Professor Dean M. Fuller.

The time of the try-outs is tentatively set for next Wednesday evening at Simmons, and it is advised that men become acquainted with the parts before then.

In addition to the activities of Dramashop outside of Tech, rehearsals started Wednesday night for their Spring Production, "The Devil's Disciple" by George Bernard Shaw which will be given in the Commons Room of Rogers Building on March 31, April 1, and April 2.

Committee Announces Second Embassy Will Be Held This Year

Dr. Kinsolving to Speak At Mass Meeting; Other Speakers Follow

Representatives of twelve fraternities attended the meeting in the T. C. A. office Wednesday to plan for the second annual Embassy to be held on March 29. The fraternity committee heads elected are Thomas Y. Akin, '39, Elmer F. DeTiere, '39, and Jerome Gross, '39.

Dr. Arthur Lee Kinsolving of Trinity Church, Boston, is the chief speaker for the Embassy. Following his talk in 10-250 an ambassador will be dinner guest at each of the fraternity houses which takes part, the student houses, and the dormitory and commuter groups. These ambassadors are either clergymen or prominent men in this district.

J. Warren Evans, '39, is head of the committee in charge of the Embassy. Groups represented at the meeting last night were:

Alpha Tau Omega, Beta Theta Pi, Delta Kappa Epsilon, Delta Tau Delta, Delta Upsilon, Lambda Chi Alpha, Phi Beta Delta, Phi Delta Theta, Phi Gamma Delta, Jhi Kappa, Sigma Alpha Epsilon, Sigma Nu, the Student House and the Pi Club. Other groups are being contacted to join the Embassy.

Open House Will Give \$15 And \$5 in Prizes

Two prizes, one of \$15 for a poster and one of \$5 for a theme, are now being offered to undergraduates by two Open House committees, according to their chairman.

Fifteen dollars will be awarded to the student who designs the most suitable 11" x 17" poster with the words, OPEN HOUSE 1938 MASSACHUSETTS INSTITUTE OF TECHNOLOGY CAMBRIDGE MASS. SATURDAY, APRIL 30, 1938 2-10 P. M. on a solid colored background. Student vote is to select the winner from entries which must be submitted to

(Continued on page 4)
Open House

Tous Les Etudiants Sont Invites Pour Voir un Film

Prochaine Reunion de la Cercle francais:

Lundi 21 Fevrier de 5 a 6 P. M.

Salle 6-120 (Eastman Building)

Programme:

Film parlant:

"Visages de la France"

Tous les etudiants et membres de la Faculte sont cordialment invites.

Nominations For T.C.A. Appear

De Tiere, Mitchell, Beaujean, Evans, Davis, and Carr Are Named

Elmer F. DeTiere, '39, has been nominated for the presidency of the T. C. A., it was announced last night by the nominations committee of that organization. In addition, George Mitchell and J. Warren Evans have been nominated for the vice-president's position; John Beaujean and William Davis have been selected for secretary; and Nicholas Carr is the nominee for the position of treasurer.

The final selection for next year's officers will be made on February 23, at which time the members of the cabinet will determine their choices by secret ballot. Prior to the election the floor will be open for any further nominations in addition to those already selected by the nominations committee.

The new officers will then meet with the retiring heads of the organization for the purpose of electing the remainder of the cabinet. Six members of the Class of 1940 will become division heads while eighteen Freshmen will attain the position of department managers and a place on the cabinet.

The new cabinet will be formally inducted at a dinner on March 12.

President Compton To Speak at Smoker

Second Speaker to Be Professor George Owen

Pres. Karl T. Compton and Professor George Owen, of the Naval Architecture Department are guest speakers for the biennial smoker of the 5:15 Club to be held at 5:15 next Thursday afternoon in the Clubroom.

Dr. Compton will talk briefly to the group on an unannounced topic. Professor Owen will then show his color movies of the America's Cup Races at Newport this summer. This will be one of the few open showings of these films this year.

Over 250 members of the club are expected at the meeting; last term over 200 turned out to hear Prof. Robert E. Rogers. The smokers are

(Continued on page 4)
5:15 Smoker

Ray Stewartson To Supply Music After Festival

Annual Collegiate Songfest To Feature Over 1000 Singing Voices

Mrs. Karl T. Compton Heads List of Institute Sponsors

Fifteen New England Colleges To Send Glee Clubs To Festival

After the Festival of College Glee Clubs which is to be held Friday evening, in Symphony Hall, Feb. 25, Ray Stewartson and his ten-piece orchestra will furnish the music for a dance at the Westminster Hotel for the fifteen colleges represented.

Both the Festival and the dance following are annual affairs, having been held at Hartford, Conn., last year and at Portland, Me., the year before. Judging from the advance ticket sales, Technology is going to have a large representation at both functions.

One Thousand Voices to Combine

The Festival is to be held under the conductorship of Dr. Archibald Davison of Harvard and will be featured by the fact that over one thousand voices will combine on several of the numbers. Each glee club will present several selections individually, and all will combine in rendering "Chorus of Homage" by Brahms, "Mother Moscow" by Tshesnokoff.

(Continued on page 4)
Musical Clubs

Jackie Ford Will Play At Midwinter Informal Given by Catholic Club

Electro-Cardio-Throbometer To Measure Heart Strength Of Dancers

The newly developed "Electro-cardio-throbometer" will be installed in the Main Hall of Walker next Friday evening to measure the heart throbs of the girls and their escorts at the Mid-Winter Informal of the Technology Catholic Club. As a result of his performance at the Dormitory and the Senior dances, Jackie Ford will play for the third time here this season.

Since research in the new machine is still being conducted, details have not been revealed as yet. The originators, Edward Corea, G., and Leo A. Kiley, '39, have set the machine up in one of the electrical engineering laboratories and have arranged the recording device so that the heartbeat of the individual is measured for strength and period to indicate his or her general condition. All the mecha-

(Continued on page 3)
Catholic Club Dance

Pedometer Counts Out The Average Student's Foot-Steps During A Day

Technology may be a masterpiece of architectural design as far as beauty is concerned, but it is certainly no place for anyone with weak arches.

Determined to prove by scientific accuracy that students' complaints on the lengths to which the Institute drives them, are justified, The Tech commissioned a reporter to measure with a pedometer the distances he traversed in an average day. Excluding the walk to and from school, he found that between nine and five he travelled a distance slightly exceeding five miles.

One Fifth of a Mile Between Classes

He averaged about one fifth of a mile between classes, which means that allowing twenty minutes per mile, six of the ten minutes between classes can be used for scanning Museum exhibits.

For a dormitory resident to eat lunch at the Coop he must walk one half a mile. To go downtown via subway, he must walk three eighths of a

mile to Kendall Square.

If a freshman starts out from Walker after lunch to fulfill his P. T. requirements, by practising shot putting, he has one quarter of a mile to walk before he begins exercising. From the track house to the infirmary after he drops the shot on his foot is a matter of another quarter of a mile.

Fresh March Four and One Half Miles Weekly

Not only does the freshman walk this extra distance three times a week, but he must also march a mile and a half extra thrice weekly in drill periods. If the squadrons marched from Building 1 to Building 2 through the corridors a little over two times they would be covering an equivalent distance.

7,420 Cubic Feet per Student

The Institute allows each student about 7,420 cubic feet of its total

(Continued on page 4)
Statistics

The Tech

Vol. LVIII Tuesday, February 18, 1938 No. 4

MASSACHUSETTS INSTITUTE OF TECHNOLOGY

Managing Board

General Manager David A. Bartlett, '39
 Editor A. Lawrie Fabens, Jr., '39
 Managing Editor Edwin K. Smith, Jr., '39
 Business Manager George Dadakis, '39
 Associate Editor Ida Rovno, '39

Associate Board

Assistant Editors
 Ruth A. Berman, '40 Wylie C. Kirkpatrick, '40
 John G. Barr, Jr., '40 Robert K. Prince, Jr., '40
 William S. Kather, '40 Phelps A. Walker, '40

Business Associates
 John W. Blattenberger, '40 Robert K. Deutsch, '40
 Leslie A. Sutton, '40
 Advertising Associates
 Robert S. Nelson, '40 Paul W. Witherell, '40

Editorial Board

Samuel L. Cohen, '39 Frederick J. Kolb, Jr., '38
 John R. Cook, '38 Herbert K. Weiss, G

Staff Assistants

Paul V. Bollerman, '40 William R. Stern, '40
 Newman Nicpold, '40 Russell T. Werby, '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

Night Editor: H. Tyler Marcy, '40

APATHY

IN THE INSTITUTE COMMITTEE

NOW that the furor over the Institute Committee's action in clamping down on misbehaving organizations and "recalcitrant Treasurers" has somewhat abated, the student body at Technology should start clamping down on some of the misbehaving legislators.

There is a noticeable lack of initiative and of interest in Institute Committee matters on the part of most of these legislators. Even at the last session of the Committee, one of the stormiest of the season, several solons were engrossed in reading papers and magazines. Indeed, President Wallace was forced to request that these pieces of literature be removed, for a photographer was on hand to take pictures for *Technique*. And at one dull moment in the afternoon, so many men rose from their seats that a motion was actually introduced prohibiting representatives and spectators from leaving the room without permission from the Chair.

It is true, to be sure, that the most obvious lack of attention occurs during such tedious proceedings as the readings of constitutions of organizations seeking recognition, but the apathy of the solons is most certainly not confined to such moments. A survey of the Committee even during the most heated discussion will disclose three or four members actively participating in the debate, another three or four mildly interested, and the remainder, head in hands, staring listlessly at the speakers or into space. Seldom is the serenity of the meetings disturbed by a suggestion, or the agenda by an unexpected piece of business.

This situation is due partly to the tight grip which the Executive Committee holds on the affairs of the larger body. On the regular meeting days, prior to the meeting hour, the President, Vice-President, Treasurer (who is also Budget Committee Chairman), Secretary, Chairman of the Walker Memorial Committee, and one member-at-large, who compose the Executive Committee, decide on an agenda for the regular meeting. But this should not mean that the meetings are entirely "sewed up." For Institute Committee members and even outsiders may still introduce new topics for discussion and new motions for approval, although these outsiders may not vote.

Another way in which lack of interest manifests itself is in attendance records. Since Christmas, both the Junior and Senior classes have lost their representation on the Institute Committee for non-attendance of one of the representatives. The Junior Class was reinstated after the formality of a letter of explanation and apology had been executed. The Senior Class is still out, carrying with it the Vice-President of the Institute Committee,

and logically, since he holds his position by virtue of his being head of the Senior Class, the President of the Committee also.

No doubt this ludicrous situation will be cleared up at the next meeting, when another letter of apology and explanation will be accepted by the docile Committee, but the shameful cause of the situation will not be removed. For the students have elected men to the Institute Committee who find it too much trouble even to arrange for a "proxy" when they cannot appear at meetings.

It is unfortunate that such a condition should exist, for the Institute Committee can be of inestimable value in carrying out new ideas as well as routine duties to make life for the student at Technology more pleasant. Faculty-student relations can be improved, for instance, a skating rink sought, and needed reforms accomplished.

So, because we still love our legislators, we must remind them that many are elected to their positions, the student body may soon grow "wise" to the situation, and, new elections are not too distant.

MEET OUR PRESIDENT

KARL TAYLOR COMPTON

AMONG the most impressive things that strike freshmen when they enter Technology are its great size and the unity with which the various parts act. Like an elaborate watch, it seems to be designed and directed in its motion, but at the same time so complete it has no room for a directing influence.

In the same capacity as the owner of the watch, turning the hands and regulating the speed, President Compton directs and controls the forces of the Institute toward an ultimate goal. His influence on students, however, is so completely indirect that few men even recognize him in the halls, despite his national prominence.

One of the things that makes a successful man great is his ability to be in touch with the people around him. It becomes almost the duty of the director of many people and their representative to the outside world, but none the less he may be admired for the way in which he accepts this responsibility.

The tea for the freshman class yesterday afternoon demonstrates to a large extent the desire on the part of our President to meet the students at Tech, and to give them a chance to talk to a few of their instructors. Many freshmen have been disillusioned, but few have been disappointed. Not to carry a good thing too far, but in hopes of saying more than hello and good-bye to the President, there should be more of these.

With Other Editors

The Engineer

The word "ENGINEER" is one of the most misused words in the English language. To every stratum of society the word has a different meaning and the duties of an Engineer are as obscure as the meaning of the word.

To a layman who lives in a city or railroad town, an Engineer is the man who handles the throttle of a locomotive. If the layman resides in an industrial town, possibly the Engineer is the fellow who has brains enough to shovel coal into a stationary steam engine. The inhabitant of a mining town, particularly if he is a miner, believes that the Engineer is the 'Sonova so and so' who fools around and fixes it so that he, personally, does not get any bonus.

The female of the species, who has gone out with an Engineer has the worst conception of the meaning of the word. She believes that an engineer is a highly paid individual who does just the 'most thrilling' things and lives in the most glamorous places and the farther away the living is, the better it sounds. The majority of women can't realize that in the life of a young engineer there is no place for them.

The Freshman at college believes that an engineer is a tough hombre who rarely shaves, smokes a pipe and wears high boots to bed. He also thinks that members of the profession take their scotch straight with rum as a chaser. The Seniors and to a lesser extent the Juniors believe that an engineer is a damned fool who knows a little about a lot of things and is never finished learning the rest; that he is a man who never gets half the money that he earns for someone else; that he has the binding obligations of a profession without the public recognition that the professions usually have.

The dictionary defines the word as "One who carries through a scheme or undertaking by skill or astuteness," and that doesn't seem to fit the real meaning

of the word Engineer either. He is, we believe, the possessor of a quantitative training as opposed to a liberal education. The qualification that he must have is a mind that never grows too old to accept new ideas; he must be an idealist that is never satisfied with anything but perfection. He must have the probing curiosity of a pure scientist with a practical streak that can not allow too rosy a vision to obscure the immediate path to be followed.

Therefore will some of you possessors of a well-rounded-liberal-education occasionally think of the men 'Who by skill or astuteness' have given you all the conveniences of this civilization? They are not among the mealy-mouthed individuals who talk about 'isms' and creeds and prayer to relieve the ills of mankind who capitalize on the grief of the world and the masses in it to earn their wages. Nevertheless the work of these men has done more to raise the standards of society than all the books and sermons ever written. To you who believe otherwise, think for a minute of the possibility of education for all in the days before there were machines, and the average working day was 16 hours long. The humanitarian work of the medical profession and the clergy is too well publicized to need further comment; but the men who have done more than any single profession to further the cause of humanity are the engineers, and the funny part of it is that there is not one of them that believes in the word Humanitarianism.

—Queen's University Journal.



Libraries and Such

In our search for better lounging places around the Institute we have long been bitterly disappointed. There ain't no such thing around Tech as a decent lounging place. There isn't even a decent place to sit down and study. We have seen diligent souls push slide rules at the tables in the steam and hydraulics lab. We have done it ourselves on a few desperate occasions. But not for a steady diet. The main library would be all right only too many other people have the same idea. The same thing applies to Eastman, only more so. But there is one way out. We know one coed who has a stack permit for the main library, and does her studying in the stacks. A perfect place, she reports. She can even hear the mice when they come out to look at her (imagine any sane mouse coming out to look at a Tech coed!).

Solution

Prof. Bill Green recently came through with one of the best solutions of the Japanese affairs we have heard in a long time. Simply have the Japanese government keep a big army in China for four or five years. With so many papas away for that long there won't be so many little Japanese around, hence no more overcrowding. Simple, what?

Cynicism

For every joy and courage monger there is—praise be—at least one articulate cynic. The happy man in this case was a Tech prof. (we hate to admit it as much as you hate to hear it) and the cynic was one of his auditors in class.

Lecture

(Continued from Page 1)

down to the present day. But he claims that all experiments and progress in color photography have always been slightly in error. As a result, color pictures are today and always have been only approximate reproductions of the subjects photographed.

Faculty Club to Hear Talk On New Warships

Lieutenant Commander Manning Will Deliver Address

Lieutenant Commander George C. Manning, '20, of the Construction Corps of the U. S. Navy, will be the guest speaker at a luncheon meeting of the Faculty Club, to be held at 12:05 today in the Walker North Hall.

The subject of Lieutenant Commander Manning's talk will be "Recent Trends in Warship Design." He is a graduate of the Naval Academy and of Course XVIII-A at the Institute. For several years he taught naval architecture at Annapolis and is now a special lecturer on this subject at Technology.

As present inspector of naval material in the New England area, Lieutenant Commander Manning has had a broad experience with naval affairs, both in the building and repair of vessels in navy yards, and in educational work relating to naval architecture. He is co-author of a well-known book on naval architecture and warship construction used at the Naval Academy, and has written an elementary book on that subject used by students on the Merchant Marine Training Ship.

Reviews and Previews

METROPOLITAN—In the first of its new all-screen programs this theatre is now showing *The Big Broadcast of 1938*, which takes F. C. Fields far out to sea, only its the wrong boat. The second feature is *Scandal Street*, with Lew Ayres, Louise Campbell and Roscoe Karns, all about the bad things gossip leads to.

SCOLLAY AND MODERN—Carole Lombard and Frederic March play another of the recent cycle of insane comedies, *Nothing Sacred*. In the second film we find that *Every Day's a Holiday* for Mae West. The bill plays for a week starting today.

RKO BOSTON—Sonja Henie's *Happy Landing* is held over for another week, along with its companion film, Warner Oland's *Charlie Chan at Monte Carlo*. The shorts include the latest *March of Time*.

UNIVERSITY—Carole Lombard plays in another of them that comedies, this time with Fred MacMurray, the picture being *True Confession*. The second film on this Sunday-to-Tuesday program gives us *Lily Pons Hitting a New High*.

EXETER—Sunday through Wednesday *The Firefly* lights the screen at this house. Jeanette MacDonald and Allan Jones play the leads.

FINE ARTS—*The Life and Loves of Beethoven* is held over, joined this week by Pare Lorentz' drama of the Mississippi, *The River*.

SQUARE AND REPERTORY—The *Three Musketeers* come back from limbo for two days, today and tomorrow. Kay Francis' *Confession* make up the other half of the bill.

Boit, Dalton, Church & Hamilton

89 BROAD STREET
 BOSTON

INSURANCE
 OF
 ALL KINDS

Modernize Your Dancing For The Holidays

Dancing will be more fun for you and your partners with your knowledge of the latest steps. In a few easy and pleasant lessons you can learn the newest steps in Fox Trot and Waltz from the expert instructors of the Baptist School of Ballroom Dancing. Phone Commonwealth 2108 today for an appointment. Free trial lesson.

The BAPTIST SCHOOL of BALLROOM DANCING

14 Newbury Street, Boston

Tech Track Team Will Meet Tufts

Two Strong Squads Will Battle On Institute Boards Tomorrow

When two strong teams meet, something must give! This Saturday afternoon will be a chance to see what gives when the Institute trackmen go up against Tufts at 2:00 P. M. on the Tech boards.

Coach Hedlund has some strong men in the middle distances, an excellent pole vaulter, and considerable although not outstanding strength in the dashes. The field events are rather a question mark; the Tech team had no outstanding men last year, and it remains to be seen if any have turned up since then.

Tufts is expected to send a very efficient team down. According to "The Tufts Weekly," Coach Hedlund's men may have to beat a 6 ft. 4 in. high jumper in the person of Larry Grant. 1:17.4 in the 600, 2:23.4 in the 1000, 42 ft. in the shot, and 34.7 in the 300.

Tech will have the sizable squad of 34 competing in the meet. At present the following men are slated to run, jump, and heave: in the 454 yd. hurdles—Hoffman, Walker, Taylor; 50 yd. dash—Pulsifer, Kyllonen, and Fogliano; 300 yd. run—Fogliano, Kyllonen, Clark, Wallace; 600 yd. run—Des Jardins, Campbell, Oettinger, Dearing; 1000 yd. run—Lemanski, Bushloff, Rustad; Mile—Crosby, Scalin, Myers, Rosas; pole vault—Kites, Gilbert, Howes; high jump—Howes, Hamilton, Hadley, Thomson; broad jump—Hadley, Marshall, Kites; shot put—Thomson, Schneider, Ferriera.

Institute Rifle Team Shoots With Bowdoin

Engineers Seek Ninth Victory In Intercollegiate Matches

Early tomorrow morning the Technology rifle team entrains for Brunswick, Maine, to seek its fifth victory in its New England Intercollegiate League matches and its ninth victory in ten shoulder-to-shoulder matches.

The match, to be held at 2 o'clock in the afternoon, will be between two ten-man teams. Each man will fire ten record shots prone, ten kneeling, and ten standing or "offhand." The high five scores will count toward the team total, a possible 1500.

Team Leads Intercollegiate League
The team now stands at the head of the New England Intercollegiate League, having outshot Rhode Island State College, Yale University, Norwich College, and Harvard, and having suffered no defeats in League matches. Its season has been very satisfactory so far, for it has lost only one match, a close contest with the Arlington Rifle Club. Its slate is still clean in intercollegiate shooting.

The ten men to make the trip tomorrow are Charles H. Maak, '38, team captain; John L. Ohlson, '39; Robert W. Pratt, '39; Humbert P. Pacini, '39; Seymour E. Heymann, '39; Valentine deOloqui, '40; Norman L. Davis, '40; Harry Sedgwick, '40; Jean L. Lewis, '40; and Phelps A. Walker, '40.

Springfield Ekes Out Victory Over Beavers

After being swamped by Navy by the score of 50-4 last Saturday, the Technology gym team was edged out by Springfield Wednesday at Technology to the tune of 32-31.

The encounter with the Blue and Gold was a thorough whitewashing for the Beavers who took only a 2nd place in tumbling and a third in the rope climb. In the gym match with the gymnasts, the Engineers did far better, winning three firsts and two seconds.

H. Stewart took a first in the side-horse for the Cardinal and Gray. Dale Morgan followed suit by taking first in the parallel bars for the Institute. M. Abbott succeeded in scoring the third Tech first, this one in the tumbling event.

Abbott also scored a second place in the sidehorse, while Hall took the middle spot in the flying rings, giving the Engineers a total of 31 points.

SPORTS COMMENT

Perhaps the least recognized sport of the Institute is the one which has over a period of years had consistently one of the best records. That team is the rifle team, which at the moment is at the top of the heap in New England. So far it has not had a defeat in the New England Intercollegiate Rifle League.

But then sharpshooters are a tribe apart. Most of them live, eat and breathe rifles. There must be something about an occupation which can so utterly entrance its followers, for rifle shooting does that more so even than most sports or hobbies. Perhaps it is some kind of a reversion to our pioneer ancestors. Perhaps it is something akin to the urge that your correspondent has always felt to learn fencing purely because fencing has a romantic, debonair, and pleasantly grim atmosphere.

There is really something of a thrill to hear the sharp crack of the rifle, to feel its push against the shoulder, and to almost sense the thud of the bullet into the target. And there is a distinct sense of wonder when one realizes he can aim at an object almost too small to be seen, and flash a hole into it from a distance.

Your correspondent still remembers the day when he got hold of some dum-dum .22's, and spent a long and pleasurable afternoon blowing decayed melons into fragments. When the hollow-pointed shells struck the soft melons, there was a veritable explosion and pulpy guts gushed in all directions.

It seems barely possible that a new intercollegiate sport is gradually being inaugurated here at Tech—new, that is, to the Institute. For the Outing Club has sent several ski teams this year to compete in the various winter carnivals in New England. In view of the rising tide of popular enthusiasm for snow sports in general that is sweeping America, it does not seem too much to think that eventually skiing may become as popular an intercollegiate sport as golf, tennis, and other minor sports—possibly even eventually a major sport.

Rumor has it that boxing is on its way back to becoming a recognized sport again at the Institute. Plans are already laid for a boxing tournament to be held next month. Although the large number of fellows who have turned out this winter for boxing seems to give an added impetus to this rumor, it must be realized that most of those men are juniors and seniors now, and that tomorrow's teams are founded on today's freshmen. If a few more lower classmen would turn out for boxing; they might very well gather, in the course of a year or so, a sufficiently coherent and strong group as to force re-recognition of the sport.

With March around the corner, spring is only a block or so away, and with spring comes the inevitable flood of baseball gossip. Who is slated to win the respective pennants, will Dizzy Dean ever come to his senses and resume the commanding position as pitcher which he held—and so on. Well, come that time, your correspondent feels pleased to promise that he will have available several reams of much-thought-over top-notch baseball speculation—not written by himself, but secured through the services of a very ardent undergraduate fan.

However, if anyone does not relish the thought of having someone else's guesses thrown at his head through this column, he is hereby offered the services of this column, as far as space limitations permit, to voice his own guesses. Come one, come all—but vocal discussions must be carried on outside the precincts of this office.

With the forthcoming meet tomorrow with Tufts, the varsity track schedule gets under way. Tufts has some mighty good men—such as a man who jumps 6 ft. 4 in. in the high jump. That is very high leaping in any man's contest, and that seems one event which can be conceded to Tufts. Also 1:17.4 will be very hard to beat in the 600. It is too bad that Oscar's one sure bet in any meet—Henry Guerke—is not on the team any longer. Last year the team was very weak in the shot and discus, and no tower of strength in the javelin. It may be stronger this year. We'll see.

The basketball team this year is laboring under rather unusual difficulties. Since the initiation of the game, the jump has been a very important factor. The game, and each quarter started with a jump ball, and after each basket there was a jump. However, last year, following the lead of the West Coast teams, the jump ball has been officially abolished except at the beginning of the quarters. Hereafter, after each basket the ball is merely taken outside and thrown in. This has the effect of making the game go at a terrific pace, and unless the men are in very good condition, makes it virtually impossible for one five-man team to play the entire game. And Tech teams are notoriously short on both condition and subs.

SPORTS CALENDAR

FRIDAY	
8:00 P. M.	Varsity Swimming; M. I. T. vs. R. P. I. at Troy
8:30 P. M.	Varsity Basketball; M. I. T. vs. Brown at Brown
SATURDAY	
9:30 A. M.	Varsity Rifle; M. I. T. vs. Bowdoin at Bowdoin
2:30 P. M.	Varsity Swimming; M. I. T. vs. Union at Union Varsity Wrestling; M. I. T. vs. Brown at Brown Varsity Track; M. I. T. vs. Tufts at home

Catholic Club Dance

(Continued from page 1)
nism is electrically controlled. In line with its usual policy, the Catholic Club has made this dance optionally stag, having arranged with Jackson and several of the other girls' schools to have girls come stag. Tickets are seventy-five cents per person. The dance will start at nine and last until two.

Members of the committee in charge include: Paul B. Black, '38, Welcome W. Bender, '38, Leo A. Kiley, '39, and Stephen F. Sullivan, '39.



Learn the Big Apple, Westchester, Rhumba, Tango, etc., at
PAPARONE STUDIOS
Private Lessons Daily, Given by Expert Lady Instructors
Classes every Tuesday and Thursday—8:30-11:00
1088 Boylston St.—at Mass. Ave. Tel. Com. 8071

Just across the way

Students, we serve
Special Hot Luncheons
As Low As 25c

All Home Cooking
Done by Women

"You will like our food!"

CORNER TEA ROOM

136 Mass. Ave. at Vassar Tel. Kir. 9693

Varsity-Freshmen Lacrosse Candidates Gather March 2

There will be a mass meeting of all candidates for varsity and freshman lacrosse teams on Wednesday, March 2 at 5 P. M. in room 10-267. Coach Tommy Tucker and Captain John Alexander will speak and the new freshman coach, Mr. John Witherpoon, captain of lacrosse at Harvard last year, will be present. All men interested in learning to play this sport are urged to attend.

A very good season is anticipated for the varsity and an active schedule will be drawn up for the freshmen. As in the past a large turnout for the freshman team is expected.

Freshmen And Varsity Hoopsters To Engage Brown Teams Tonight

Varsity Hopeful of Defeating Strong Brown Quint For Second Victory

Fresh from a well won victory in their last meet, the Engineer quintets ramble down to Providence this evening to engage the Brown University hoopsters.

The record of the M. I. T. men so far this season is hardly unblemished, as they have lost to New Hampshire, Harvard, and Massachusetts State. However, in their last game they eked out in an overtime period a hard earned triumph over Clark University, 36-34.

Brown Has Strong Team

The Brown team is expected to be very good indeed. One of their forwards, Platt, is the high scorer so far in this section having averaged about ten points a game. Campbell, the other Brown forward, is not said to be any slouch either.

Schneider, who scored fifteen points in the Clark game, will again start in the Center Spot for Tech. Herasimchuk and Cramer will be the forwards, with Katz and Kangas playing guard position. G. Wright, R. Wilson, T. Thomas, B. Duffet, and Vernon Lippitt will go along as subs. Lippitt, who last year was co-captain and one of the outstanding men on the team, has been under pressure of other work this year, and has not been able to practise regularly.

Open House

(Continued from page 1)

the poster committee of which Fred W. French, '39, is chairman, by March 15.

"The Historical and Scientific Progressiveness of the Institute" is the title of the 500-1000 word theme for which the publicity committee will pay five dollars. All papers must be in Professor Bartlett's hands, Room 2-179, by March 14.

In addition to receiving the prize, the winning paper will be published in the Boston papers.

Infirmiry List

Norman F. Barnes, G.
Benjamin A. Boshier, '40.
John R. Brown, G.
Dudley A. Levick, Jr., '38.
Barrett L. Taft, '40.

Wrestlers Tussle At Brown Tonight

Frosh And Varsity Travel To Providence For Last Out Of Town Match

Tomorrow afternoon both the varsity and frosh wrestling squads toot off to Providence where they will meet the Brown head-locksmiths. The two teams leave here about four o'clock and are scheduled to wrestle the same night.

Although Brown had a championship team last year, winning the New England Intercollegiate title, the meet tomorrow is expected to be a close one, with Tech having at least an even chance. Several men were lost from the Brown team, by graduation, etc.

This will be the Institute teams last meet this year away from home. The remaining three meets take place on Tech mats. Next Saturday Williams comes here with a friendly chip on its shoulder. Of course the Instituteters will attempt to take not only the chip, but the Williams shirt, and even the shoulder itself.

The line-up for the varsity matches, as announced by Coach Jay Ricks last night is as follows: 118 lb.—Johnny Vyverberg; 126 lb.—Bill Stone; 135 lb.—Wong; 145 lb.—toss up between Bob Cohen and Kopifchensky; 155 lb.—Mike Settei; 165 lb.—Johnny Vanderpool; 175 lb.—Phil Lucas; heavyweight—David Goodman.

The line-up for the frosh squad is as follows: 118 lb.—Richter; 126 lb.—undetermined; 135 lb.—Biggs; 145 lb.—Brown; 155 lb.—Maguire; 165 lb.—Hartshorn; 175 lb.—Bertsch; heavyweight—none.

Undergraduate Note

Students planning to sell books which they no longer need in the T. C. A. book exchange may leave them at the T. C. A. office now.

The First Church of Christ, Scientist

Falmouth, Norway and St. Paul Sts.
Boston, Massachusetts
Sunday Services 10:45 a. m. and 7:30 p. m.; Sunday School 10:45 a. m.; Wednesday evening meetings at 7:30, which include testimonies of Christian Science healing.
Reading Rooms — Free to the Public, 533 Washington St., opp. Milk St., entrance also at 24 Province St., 420 Boylston Street, Berkeley Building, 2nd Floor, 60 Norway St., cor. Mass. Ave. Authorized and approved literature on Christian Science may be read, borrowed or purchased.

BOSTON MUSIC COMPANY

Popular, Standard & Classical

SHEET MUSIC
RECORDINGS
METHODS
LITERATURE
ACCESSORIES
PORTABLES
COMBINATIONS

116 Boylston St. Hancock 1561
Near Colonial Theatre

Mark Down CLEARANCE SALE

SHIRTS - - - - - \$1.65 Reg. Price \$2.00
FOUNTAIN PENS - - - 95c Reg. Price \$1.95

And Odd-Lots Of

MISCELLANEOUS MERCHANDISE

Such As

Celluloid Triangles, Portfolios, Small Ring Books, Pipes, etc.

DIVIDEND TOO

Technology Store

(THE COOP)

CALENDAR

FRIDAY
 12:00 Noon Faculty Club Luncheon—North Hall
 5:00 P. M. Menorah Society dinner—North Hall
 6:00 P. M. Course IIA Dinner—Faculty Dining Room
 6:15 P. M. Dr. Ashdown Dinner—Fabyan Room
 8:15 P. M. Intercollegiate Glee Club Concert—Symphony Hall
 Open House Poster Exhibit—Main Lobby

SATURDAY
 9:00 P. M. Faculty Club Dance—North Hall

SUNDAY
 3:00 P. M. I. F. C. Basketball Tournament Hangar Gym

MONDAY
 5:15 Executive Committee Meeting—East Lounge
 5:00 P. M. Cercle Francaise reunion—Salle 6-120

TUESDAY
 206th Anniversary of George Washington's Birthday
 all classes at Institute suspended

WEDNESDAY
 5:00 P. M. German Language Students meeting—Room 6-120
 5:00 P. M. Election of T. C. A. Executive Board—T. C. A. Office
 Senior Week Elections—Main Lobby
 Voodoo offered for sale—Main Lobby and doorways

THURSDAY
 5:15 P. M. 5:15 Smoker; Dr. Compton, Prof. Owen, speakers—5:15 Room
 7:00 P. M. American Inst. of Chem. Eng. meeting—North Hall

Musical Clubs

(Continued from Page 1)

"May No Rash Intruder" by Handel, and "To Thee Alone Be Glory" by Bach.

The Festival is being presented by the New England College Glee Club Association, of which Dr. Thompson Stone is president, and under whose supervision the Festival is being given. Mrs. Karl Taylor Compton, wife of the President of the Institute, heads the list of Technology friends who are sponsoring the Festival. The Technology Glee Club, under the directorship of Henry Jackson Warren, will be one of the fifteen glee clubs to participate.

The dance following the Festival will last from eleven to two. Ray Stewartson needs no introduction to Technology students, having played for the Field Day Dance and for the Dorm Dance last Friday evening.

Statistics

(Continued from page 1)

21,480,034 cubage (slide rule accuracy). If a sit down strike were staged there would be plenty of room for exercise in the 356 square feet per student. Graduate students will have another 2,580 cubic feet each after Riverbank is occupied next year.

If we suppose an average Tech student to be six feet tall, two feet wide, and two feet thick, the Institute has cubic space for 895,000 of them—a college as large in numbers as the city of Boston.

Hobby Shop

(Continued from page 1)

out to make one smaller than ever constructed before.

But before he starts work on the actual engine, he must first construct a miniature metal working lathe and a complete set of tools, because all tools now in existence are too large and clumsy for the working of the delicate parts that will go into the new engine.

Also Other Miniatures

Other students are also working on small models. Allen Craig is working on a model of a locomotive, Hewitt Phillips is interested in miniature steam engines, and John Greenbaugh is putting much of his time into the construction of a model clipper.

One of the boys is working on a trick variety of radio loud speaker, and another has started work on one of his own inventions, a slide rule that is of a nature that it is hung on the wall.

Additions to Museum

Although about 75 per cent of the students who come to the hobby shop have definite ideas as to what they wish to work on, there are a few who have the desire to be building something but who have nothing particular in mind. To these enthusiasts, Mr. Watson assigns work on Technology's rapidly growing Museum of Science and Industry.

In connection with one of the exhibits of this museum, the boys are constructing in miniature an authentic model of an old alchemist's den. One of the chairs for this which is nearly completed, stands about four inches high and is accurate in every detail. Two of the student craftsmen are working on mathematical models

Senior Class

(Continued from page 1)

F. Kaufman, Frank J. Kearny, Frederick J. Koib, Jr., Bernard W. Mehren, George H. Morel, Dale F. Morgan, Richard Muther, Frederick E. Ray, Wilbur C. Rice, Willard Roper, Samuel Rudginsky, Livingston S. S. Smith, Andrew P. Stergion, Fred E. Strassner, Harold H. Strauss, Richard G. Vincens, Jr., Herbert A. Wiley, Albert O. Wilson, David A. Wright, and Richard B. Young.

which are to be a part of the mathematical exhibit.

Expansion Sought

Although there are many students working in the hobby shop, there is still room for more, according to the director, Mr. Watson, and others who have hobbies of the constructive type, are invited to make use of the facilities of this new student shop.

As time goes on, it is hoped that the shop may be expanded so that it will accommodate still more student craftsmen and so that facilities can be added for work on photography, metal spinning, electroplating, and many other hobbies.

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

Voodoo

(Continued from page 1)

"New Wax" will bring news of the latest recordings to the attention of swing enthusiasts.

A full page of Voodoo's Bar Specials, a list of drinks conceived and presented by the junior boards, is dedicated to the insatiate Tech thirst.

Piloted by new hands, Voodoo will attempt to elevate the present degraded standard of campus humor to new heights, going away with its former type of humor in the endeavor.

5:15 Smoker

(Continued from page 1)

held every term to enable all the members of the club to meet together at least once each year. Following the talks, refreshments and cigarettes will be distributed. C. Richard Andrews, '39, chairman of the smoker committee, is in charge.

Boston's Foremost Reliable Dancing School
15 Private Lessons \$5.00
 SHAG
 FOX TROT
 WALTZ
 RHUMBA
 TANGO
 BIG APPLE
 Open Holiday, February 22
 2:00 P.M. to 10:00 P.M.
 Learn to Dance at the
Uptown School of Dancing
 330 Massachusetts Avenue
 Boston, Massachusetts
 Tel. Com. 0520

USED CARS
 BEST VALUES IN BOSTON
AUTHORIZED FORD SERVICE
 "A Complete Service Including a Well Stocked Parts Department All Under One Roof"
 Modern Scientific Testing Equipment
LALIME & PARTRIDGE, INC.
 21 years in same location
 1255 Boylston St., Boston Mass. Ken. 2760

REG CARRINGTON ASKS COMMANDER ELLSBERG:

"Can you tell a Real Difference between Camels and other cigarettes?"



REG CARRINGTON: "I see you're a steady Camel smoker, Commander. There really isn't any difference in cigarettes, is there?"

COMMANDER ELLSBERG: "You're dead wrong, Reg. The life of a deep-sea diver is tougher on a man than most work. Most of the divers I know are steady Camel smokers and, believe me, they know there's a difference. Take my own case, for example. I stick to Camels—have smoked them for ten years. They never get on my nerves. Smoking Camels, I feel that I enjoy life more. Camel is the cigarette that agrees with me."

CLUB-ROOM CONVERSATION (above) so often swings around to cigarettes—an interesting topic to smokers generally. "I can tell the difference in Camels," Commander Ellsberg says. "That famous saying, 'I'd walk a mile for a Camel!' expresses how enthusiastic I am about Camels myself."

NEW DOUBLE-FEATURE CAMEL CARAVAN. Two great shows—"Jack Oakie College" and Benny Goodman's "Swing School"—in one fast, fun-filled hour. On the air every Tuesday night at 9:30 pm E.S.T., 8:30 pm C.S.T., 7:30 pm M.S.T., 6:30 pm P.S.T., over WABC-CBS.

"Yes—absolutely!" says Commander Edward Ellsberg. And millions of other steady smokers know there is a distinct difference in Camels. That's why Camels are the largest-selling cigarette in the world.



ELLSBERG is used to fatigue. He says of Camels: "I found that smoking a Camel when I feel tired after an hour under water—or any tour of duty—gives me a quick 'lift' in energy."

IN ACTION! Commander Ellsberg shares danger with his men. He says: "The last thing a diver does before going down—and the first thing after coming up—is to smoke a Camel."



HIS FAVORITE sport—small boat sailing. Camels are right beside him! "Camels fit in with my leisure hours, too," he says. "I've never known them to jangle my nerves. That means a lot—because I smoke a lot!"

ONE SMOKER TELLS ANOTHER **"Camels agree with me"**



PEOPLE DO APPRECIATE THE
COSTLIER TOBACCOS
 IN CAMELS
 THEY ARE THE
LARGEST-SELLING
 CIGARETTE IN AMERICA

Copyright, 1938, R. J. Reynolds Tobacco Co., Winston-Salem, N. C.
 Camels are a matchless blend of finer, MORE EXPENSIVE TOBACCOS—Turkish and Domestic.