



## Pres. Killian Emphasizes Communism Opposition In Report To Corporation

Reaffirming the Institute's position of "unequivocal opposition to communism and to any external control of the teacher which requires him to distort his research or teaching in accord with any 'party line' or other dictates from without his own mind," President James R. Killian, Jr., told members of the Corporation recently that "membership in the Communist Party disqualifies teachers because it involves adherence to doctrines and discipline completely inconsistent with the principles of freedom on which American education depends."

Dr. Killian, in his first annual report as President of the Institute, asked for important advances in theory of education. Calling for a fusion of science and humanities into a broad humanism resting on both, yet weakening neither, he pointed out that specialization, tempered by less isolationism among scholars and more linkages between fields of scholarship, will be one of America's continuing needs during the second half of the Twentieth Century.

### Personal Dignity

Dr. Killian also stated that education must not only train men to do complex specialized work, but also cultivate in these men a reverence for the dignity of the individual. Education is most effective when it strengthens the virtues of personal dignity, self-reliance, and self-understanding.

In regard to the progress of the Institute, President Killian reported the largest building program in the history of the Institute, with the exception of the initial construction at its present site. Among the most important of these were the Charles Hayden Memorial Library, now partially occupied; a supersonic wind tunnel erected with funds provided by the U. S. Navy.

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## Upper Classmen Now Forbidden

### Ken Reeves Features Exclusive Frosh Hop

Freshmen will not be required to wear their ties to the freshmen acquaintance dance tomorrow night in Walker Memorial. The Institute Committee in last Wednesday's meeting decided that freshmen must merely bring their ties along with their registration cards in order to be admitted to the dance.

Featuring Ken Reeves and his orchestra, this dance, new this year, was originated to give the "timid" freshmen a chance to get acquainted with some of the women from nearby schools, without competition from the upperclassmen.

The deans of most of the girls' schools in and around Boston have been contacted, and more than 600 girls are expected to attend. To prevent congestion of couples on the dance floor, arrangements have been made to use both Morss Hall and the gym on the third floor of Walker Memorial.

Although the orchestra will play in the main ballroom, ample music for dancing will be piped upstairs through arrangements with station WMIT. Refreshments will be served only in the gym so that more room will be available downstairs for dancing.

Hosts for the occasion are the members of the Institute Committee.

### SENIOR PICNIC

Ticket sales for "Columbang," the Senior Class Columbus Day picnic, will be stopped at 5:00 p.m. today.

## Inst. Comm. Decrees Open House; \$50,000 Activity Appropriation Announced In Undergrad Budget

### Enrollment Figures Classify Courses By Single Classes

#### Number Of Veterans, Five Largest Courses Brought Out In Survey

The lists of figures which are included in this article were published for the curious and the mathematical-minded statisticians. There are 3845 undergraduates (enrolled September 21, 1949) which comprises 71% of the entire student body. With the use of a slide rule one may discover that the total enrollment is 5,408. This leaves 1,563 Graduate students at the Institute. The veterans now number approximately 1,925, or 35.5% of the total student body.

Upon inspection of the following table, one may find that the five largest courses (including their options) are VI and VIA, 980; II and IIB, 712; X, XA and XB, 693; VIII, 476; and XV, 413.

| Course                    | '53 | '52 | '51  | '50  | Grad. | Total |
|---------------------------|-----|-----|------|------|-------|-------|
| I                         | 57  | 50  | 61   | 55   | 53    | 276   |
| II                        | 108 | 133 | 134  | 186  | 132   | 693   |
| II-B                      | —   | —   | 19   | —    | —     | 19    |
| III                       | 10  | 46  | 46   | 39   | 101   | 242   |
| IV-A                      | 26  | 30  | 42   | 53   | 19    | 170   |
| IV-B                      | 2   | 2   | 1    | 5    | 23    | 33    |
| V                         | 35  | 30  | 23   | 42   | 142   | 277   |
| VI                        | 165 | 161 | 128  | 131  | 253   | 838   |
| VI-A                      | —   | —   | 32   | 62   | 48    | 142   |
| VII                       | 9   | 14  | 11   | 16   | 20    | 70    |
| VII-A                     | —   | 6   | 1    | 5    | 2     | 14    |
| VIII                      | 92  | 75  | 71   | 68   | 170   | 476   |
| IX-A                      | —   | —   | 3    | 3    | —     | 6     |
| IX-B                      | —   | —   | 23   | 39   | —     | 62    |
| X                         | 98  | 90  | 126  | 106  | 128   | 548   |
| X-A                       | —   | —   | —    | 24   | 24    | 24    |
| X-B                       | —   | —   | —    | 21   | 21    | 21    |
| XI                        | —   | —   | —    | 21   | 21    | 21    |
| XII                       | 7   | 22  | 18   | 12   | 25    | 84    |
| XIII                      | 17  | 12  | 22   | 12   | 7     | 70    |
| XIII-A                    | —   | —   | —    | —    | 98    | 98    |
| XIII-C                    | 2   | 5   | 8    | 7    | —     | 22    |
| XIV                       | 5   | 14  | 26   | 35   | —     | 80    |
| XV                        | 47  | 103 | 112  | 119  | 32    | 413   |
| XVI                       | 40  | 50  | 32   | 51   | —     | 253   |
| XVI-B                     | —   | —   | 16   | —    | —     | 16    |
| XVII                      | 11  | 30  | 35   | 38   | 13    | 122   |
| XVII-B                    | —   | —   | 18   | 27   | —     | 45    |
| XVIII                     | 3   | 10  | 7    | 10   | 29    | 69    |
| XIX                       | 1   | 5   | 10   | 15   | 13    | 44    |
| XX                        | —   | —   | —    | —    | 1     | 1     |
| XX-A                      | —   | —   | —    | —    | —     | —     |
| Industrial Economics      | —   | —   | —    | —    | 45    | 45    |
| Economics and Engineering | —   | —   | —    | —    | 4     | 4     |
| Total                     | 748 | 913 | 1029 | 1155 | 1563  | 5408  |

### VOODOO

Rumor has it that any frustrated freshman (or upperclassman) who missed the formal VooDoo smoker, which is more fully covered, or uncovered, on page two, will be heartily welcomed if he goes up to the VooDoo office, on the third floor of Walker, Monday afternoon at 5:00 p.m. According to Andrew C. Price, '50, supposed General Manager, anyone considered unfit by other activities will be happily accepted by the mag.

### Morss Hall Will Be Scene Of 5:15 Halloween Dance

On Saturday, October 22, in Morss Hall of Walker Memorial, the 5:15 Club will hold a Halloween Ball. The dance is not to be a costume affair; attire will be informal.

Ernie Lawrence will furnish music for dancing from 8:00 p.m. till midnight, with the hall being decorated appropriately for Halloween. There will be an entertainment act at intermission and refreshments will be served.

Tickets, which will be priced at \$2.40 per couple, will go on sale in Building 10 two weeks before the ball.

Open House at the Institute will be held as scheduled this year, it was decided at the second meeting of Institute Committee last Wednesday. The bi-annual spring event is customarily held on a Saturday afternoon and includes exhibits and activities open to the public. The 1949-1950 Budget for the Undergraduate Association including a \$50,000 activities appropriation was also approved.

## Option Needed For Technique

### Thorough Activities Coverage Anticipated

For those interested in owning a 1950 Technique, putting off buying an option till too late may mean you'll not be able to purchase one. According to Mark Baxter '50, Business Manager, only those who purchase options will receive the 1950 Technique. As an aid to decision, the Managing Board has proposed a dollar reduction in all options purchased before January 1, 1950.

Despite current rumors, it has been reported officially that the Technique netted about forty dollars last year. However, with this year's sales system, there will not be an appreciable loss taken with extra copies of the year book.

### Bigger Than Last Year

This year's Technique will exceed last year's tome by about sixty pages. The explanation for this increased volume is the fact that the Institute Committee is paying for all sections covering the activities; thus all activities, societies, and personnel connected with Technology will be included in the year book. In previous years each activity paid for its own page. Under this new system, the staff of the Technique will take the initiative to see that each section of the Institute family will be treated equally.

Election of a chairman of the Open House Committee was deferred to the next meeting of the Committee. This man will select a group to assist him in the promotional, organizational, and reception aspects of the event. The action follows recent approval of the open house by the administration.

### Procedure Changed

The \$50,000 appropriation in the budget printed elsewhere is a significant item. The usual procedure has been to take a fixed percentage from each tuition payment rather than allot a flat amount. With a slight decrease in enrollment this term, a drop in activity allocations has been avoided. The sum averages about thirteen dollars for every undergraduate. Also of interest is the designation of \$3,950 from this activities fund to pay for activity space in the 1950 Technique.

John C. Kern '50, chairman of the Budget Committee and treasurer of the Institute Committee, was elected representative of the Institute undergraduate body to the Harvard Cooperative Society Board of Directors.

### Elections Planned

Plans for the fall elections as formulated by the Elections Committee were approved. These call for a petitioning period to begin on Thursday, October 13. The deadline for petitions, which should be

(Continued on Page 3)

## UNDERGRADUATE ASSOCIATION BUDGET

1 July 1949 to 30 June 1950 (Tentative)

|  |             |             |
|--|-------------|-------------|
| ATHLETIC ASSOCIATION   | \$40,500.00 |             |
| Less cost of 40 pages coverage in Technique's Student Activities Section at \$25 per page    | 1,000.00    | \$39,500.00 |
| <b>INSTITUTE COMMITTEE</b>   |             |             |
| General  | 1,620.00    |             |
| Budget Committee   | 115.00      |             |
| Elections Committee  | 125.00      |             |
| National Student Association Committee   | 518.00      |             |
| Public Relations Committee   | 300.00      |             |
| Student Faculty Committee  | 265.00      |             |
| Total cost of 118 pages coverage in Technique's Student Activity Section at \$25.00 per page | 2,950.00    |             |
| Walker Memorial Committee  | 375.00      | 6,268.00    |
| <b>CLASSES</b>   |             |             |
| 1950   | 50.00       |             |
| 1951   | 100.00      |             |
| 1952   | 150.00      |             |
| 1953   | 300.00      | 600.00      |
| <b>ACTIVITY FUND</b>   |             |             |
| Debating Society   | 650.00      |             |
| Musical Clubs  | 1,100.00    |             |
| WMIT   | 400.00      | 2,150.00    |
| RESERVE FOR PRIOR YEAR'S EXPENDITURES  |             | 400.00      |
| MINIMUM WORKING CAPITAL  |             | 1,810.93    |
| <b>TOTAL IMMEDIATELY AVAILABLE FUNDS</b>   |             |             |
| Balance from prior years   | 728.93      |             |
| Student Activities Appropriation (UEB)   | 50,000.00   | \$50,728.93 |

## Bridge Deadline Is December 12; Surfacing To Cost Half Million

With practically the whole 2,165-foot span of the Technology Bridge ripped up by this time, we figure it's time to let our readers know the latest developments in the bridge situation, so here it is:

First of all, repairs are scheduled to be finished not later than December 12; this date is called for in the contract between the city and the Marinucci Brothers Construction Company, so we can be reasonably sure that the work will be finished by that time. As our readers will remember, the bridge was closed on September 12 and thus far, everything is progressing as scheduled.

### Half Million Dollars

Costs of repairs on the structure are estimated to cost over one-half million dollars, with the major portion of that sum being spent on resurfacing. Forty-seven thousand dollars alone will be spent on a new paint job.

Many of our readers may have wondered how the countless sections of steel grid (which have been arriving on trucks for the past week) will be used in the re-

construction process. After being laid down on the superstructure, the five and one-quarter inch steel gratings will be filled with Portland cement and topped with bituminous concrete. This new surface replaces the old ten and one-half inch thickness of pine cross-trees, mastic, and cobblestones.

### Raise the Bridge

Since the new surface will be five and one-quarter inches thinner than the old one, the whole bridge will have to be raised by that amount in order to maintain the proper grade with Massachusetts Avenue. Small hydraulic lifts jack the bridge up at each of the piers in the same manner one would jack up an automobile.

While the bridge is jacked up, the bearings of the bridge with the piers are being replaced. These bearings were of two types: roller and fixed. Roller bearings are used at every other pier in order to allow for expansion of the bridge due to changes in temperature. There were six rollers in each bearing and

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# The Tech

VOL. LXIX FRIDAY, OCTOBER 7, 1949 NO. 36

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## PARKING STALEMATE

Nearly everyone around here is perfectly aware that the parking situation at the Institute is rotten. From 8:45 a.m. to 5:15 p.m. the various lots are jammed with cars, and, MDC to the contrary notwithstanding, vehicles line Memorial Drive and Massachusetts Avenue. The size of Technology's commuting population, both students and staff, is only emphasized by the barrenness of the parking fields over the week-ends.

Not very long ago, we received a communication in our office asking, "How about a scathing editorial on parking?" Frankly, we don't know where to begin to scathe. Tell the administration that we have a parking problem and its representative wearily replies that the powers that be know all about it. Furthermore, he immediately volunteers half a dozen reasons why nothing can be done to mitigate the situation just now, all of them very good reasons too. Primarily, there is a lack of funds; after all, in spite of contrary popular opinion, the Institute is not made of money. Within the past year or so two new parking areas have been opened, and the others have been enlarged and resurfaced. For the present, the Institute can do only so much and no more.

One can say with justification that the MDC hasn't eased the problem at all with their wholesale distribution of parking tickets on Memorial Drive. If the Commission hadn't gotten sticky about the matter and begun handing out summonses at all times of the day, a student whose last class ended at 4:00 p.m. might be able to park during the day and then take his car home before the evening rush. But then too, Techmen are no angels; given the privilege to park until 4:00, they would, without much doubt, gum up the street till well into the rush period. Perhaps, however, the MDC can be prevailed upon to go easy on enforcement during the day.

The only hope for immediate alleviation that we can see would be for all car owners to trade in their present vehicles for Crosleys and Austins. The long run solution leaves two alternatives, fewer cars or more parking space. The completion of Eastgate, with its underground parking facilities, will help somewhat, and when further housing construction takes place on the west campus, parking areas will have to be an integral part of the program. There are only three ways in which present parking areas can be expanded, up, down, and sideways. As a rule, we are against any further lateral extension; use of land for automobile storage gives it low utility, and heavens knows, Technology has little enough grass and recreation area as it is now. There are two smallish tracts on Briggs Field adjoining the west parking lot, however, that we're sure no one would miss if they were incorporated into the present facilities. A parking area under Briggs Field would be ideal provided the filled land and the Institute budget could stand the strain of the excavation, unlikely circumstances. Another solution that has been proposed is the construction of parking decks above the present lots. Aesthetically speaking, such a solution would do a minimum of harm hidden from view in the Institute's back lot in the east and north areas. Due care should be exercised in planning these structures to prevent them from ever interfering with any buildings that might be put up in the future. Until relatively recently, the Institute has been weak on making provision for rational expansion, but that is another story that we may discuss at a later date.

We've nearly filled a column with talk about parking and not come up with a feasible immediate solution. If anyone has a good answer to the parking problem, let us know and we'll eagerly publish it.

## Human Ostrich Discards Plumes At V.D. Smoker

By GEORGE MELLOR

In an attempt to share the public's eye, Voo Doo again ran its exhibition of the female epidermis. At 5:00 p.m. on Wednesday, October 5, Rockwell Cage was filled with a group of corrupted individuals who had yielded to their more basic drives.

Between the scheduled start and the actual start of the performance, otherwise bored spectators were ably entertained by the frequent antics of Sergeant Sam Gordon, who thereafter gave some spark to a dull program.

The master of ceremonies was, of course, the Yonkers hamster, Joseph S. Gottlieb, '50, who with an Irish and German mixed accent introduced the day's principal, Dawn Night. Miss Night riding atop her hotrod chariot made a triumphant entrance with a herald of honking horns and apprehensive sighs.

To the faintly audible efforts of a pair of spinnet ticklers, Miss Night gracefully strode onto the stage. Thereafter she strode gracefully about the stage, and as she was thusly striding, pertinent parts of her ensemble were eliminated—gracefully, of course,—until a faint rosy tinge of color was detected in the cheeks of Miss Night's embarrassed countenance.

To the rescue of this fair damsel came Joe Gottlieb again. In order to allow Miss Dawn time to gain composure, Joe read one of his unique poems extolling the cultural things of life.

Before tongues could be reeled in Dawn returned. What little had been saved during her first stint was spent now. Verbal intercourse between Dawn and sundry persons in the audience resulted in a smattering of laughs and yowls.

Her performance ended, Miss Night ran to the open arms of Voo Doo staffers, who succeeded in hustling her and her discarded garments away before the mobs descended.

## 200 Techmen Chase Sorority Souvenir Seekers In Dorms

Six sorority pledges interrupted the complacency of dormitory life last Monday, when they ventured into the Dorms looking for souvenirs. After collecting a few Voo Doo's, MIT t-shirts, book covers, and what not, they began collecting a huge crowd of eager beavers. Firecrackers boomed and the girls began to scream and retreat back toward Building 6.

About 200 Techmen began to follow. The girls quickened their pace, and soon the Techmen had them running into Building 6. However, Alfred R. Paashauss, '51, and William C. Plouffe, '50, not to be outwitted, waited at the Building 7 exit and soon the frightened little ladies appeared.

They were stranded without carfare to get back to Harvard Square, where they said they resided. It seems as though they were headed back to an unidentified college, probably Sargent or Radcliffe.

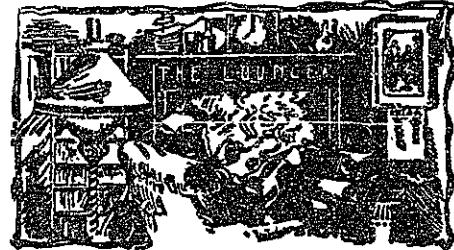
Since Paashauss and Plouffe are Executive Board Flying Club members, they invited them up for a cruise, and soon found that one of the girls lived in (wanted a ride to —, that is) Maryland, and another in Connecticut. Their names were easy to remember, since three were Nancy and another Taffy.

### STUDENT FURNITURE

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## Professor T. Fish Is the Course XV Visiting Lecturer

As a part of the moving of Course XV from its old location in Building I, one of the many provisions made for the course in the new building was a private office for the "Visiting Lecturer." Not being quite sure just what the visiting was, we decided to find out, and as a result uncovered some rather revealing facts.

In the first place, the visiting lecturer in Course XV is Professor Tounsbury Fish, who is here for a three-week period. During this time, he has been occupied teaching a graduate course in Organization of Business. This is the fourth straight year that Professor Fish has visited Technology.

### Industrial Experience

He is an Alfred P. Sloan lecturer, and Professor Fish is an alumnus of Stanford University. Fish has a wide industrial experience and was with the Standard Oil Company of California since 1921. He has also been involved in the standardization and improvement of refinery operating methods.

In 1942 and 1943, in connection with the war effort Fish became organizational advisor to the Chairman of the War Production Board. In 1943 he took over the part of Director of Organizational Planning, Petroleum Administration for War. In 1945 Fish became Organizational Advisor to General Clay. He is co-author of *Top Management Organization and Control* and various articles on management in business.

## Dramashop Comedy "Three on a Horse"

The Dramashop has announced that casting has just been completed for "Three Men on a Horse," a comedy which has everything from horses to follies girls. The naive Ernest Trowbridge who would rather write verses than exploit his genius for picking race horses will be acted by David G. Newton '51, while his ever-loving wife and domineering brother-in-law will be portrayed by Joan Norton-Taylor and John Fitch. Carol Ecker takes the role of Mabel the ex-Follies girl who is long on the glamor but short of the brains. And there is the gang who were born in a stable and have been playing the ponies ever since—Martin H. Miller '51, John Ehrenfeld, and J. Phillip Benkard '50. Others in the cast are Mrs. Eunice Sands, Roy Weinstein '51, William Millen, and Herbert M. Teager '52.

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## Commissions Given By Regular Army

Col. Jackson Announces Offer Made To 44 Men

Forty-four senior military science students have been selected as Distinguished military students, Colonel Harold R. Jackson announced on September 28. Designation as Distinguished military students carries with it a tender of a commission as a second lieutenant by the Regular Army.

The following men have received notification of their appointment: Corps of Engineers: Donald L. Brown, Byron F. Burch, Paul W. Cooper, Alphonse J. Dell Isola, Jerome H. Ferguson, Jr., Carl F. Long, Stanley R. Meeken, Robert C. Meiselm, Alfred M. Petrofsky, Lawrence G. Sirkis, Francis E. Smith, Jr., Donald R. Walker.

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## Dates and Mates

The fall of the year brings problems to Techmen. Some are concerned with homework, passing quizzes and other mundane pursuits, but the popular headaches are women.

In this first of a series of articles to introduce the female storehouses of the area, The Tech's attention is directed to Simmons College.

Opportunity to meet the girls of this institution today is available to any Techman with a suit and thirty cents. A joint B.U.-Simmons acquaintance informal, The Autumn Spree, is being held at the Boston YWCA, 130 Clarendon St., Friday, October 7, at 8:15 p.m.

### Brother Institution

Simmons considers Technology a brother institution. (This does not mean that the girls take a sisterly attitude.) As their courses point mainly toward professional careers, the Simmonsites are characterized by their lack of sophistication and their careful planning.

Statistically speaking, the women number about 1,400, and are subject to the following regulations: Freshmen may sign out until 12:00 m. weekends, but must be in at 7:30 p.m. weekdays. The regulations on Sophomores are relaxed to 12:45 a.m. and 9:30 p.m. with six 1:30's per term; while Juniors and Seniors are permitted unlimited 1:30 a.m. sign-outs.

The main Simmons objection to Techmen results from the students' probing, analytical minds. One case in point is a boy who spent five dances explaining the operation of the rotating ball in Morss Hall. 8.01 is good stuff, but after all . . .

Some competition to the Institute's proteges issues from Harvard, because the Simmonsites report that not all Harvard men are that way. In fact, several of the latter school-boys aggressively solicited dates in Evans Hall while under the influence last weekend and landed on the street due to the critical eye of the housemother.

Elsewhere on the feminine front, the other girls' colleges are also hungry for males. Business girls also are looking for new material. The Franklin Square House is trying to lure Techmen with a formal affair. TCA is handling the free, but supposedly necessary tickets.

# Soccermen Clash With Amherst In Season's Opener Tomorrow; Tie Revere In Final Scrimmage

## Luminous Ceilings Tested Here Give Better Illumination

Ceilings of light—lamps mounted behind translucent plastic sheets covering the entire ceiling of a room—may be the newest architectural features of well-lighted industrial and office buildings.

Such a system, according to members of the lighting committee at the Institute is the most completely adequate way of lighting a room. It provides the best known visual conditions by making the light of nearly equal brightness everywhere the eye can see.

### Plastic Diffuses Light

The members of the committee call the new system a "luminous ceiling." On the white-painted plaster ceiling of a room are mounted fluorescent lamps; about a foot below them, covering the whole ceiling, is a frame of thin diffusing plastic. When you look up you see nothing but the plastic; the effect is just what the name indicates, a luminous ceiling.

The system has been developed by the members of the lighting committee: H. L. Beckwith, professor of architecture; Parry Moon, associate professor of electrical engineering; and C. M. F. Peterson, superintendent of buildings and power. Appointed to study the problems of interior illumination with particular reference to the Institute's requirements, the Committee has concentrated on making the working environment at the Institute as good as possible, utilizing all techniques of interior decoration, but particularly with reference to room lighting. In the development of the luminous ceiling, the committee members have been assisted by Dr. D. E. Spencer, assistant professor of electrical engineering at Brown University.

### 44 Lamps Used

The luminous ceiling classroom uses 44 fluorescent lamps spaced 24 inches apart; they consume 2,200 watts of power, about twice that used by the conventional lighting system they replaced. But, report the Technology engineers, the new luminous ceiling provides at least six times as much illumination, and of far better quality. Baffles of sound-deadening material are used between the panels of translucent plastic to acoustically compensate for the smooth surface of the plastic.

The big advantage of these lighting systems, say the engineers, is that they help avoid excessive contrasts in the room. Both glare and troublesome shadows are banished.

A complete luminous ceiling, the engineers agree, can be installed at little, if any, more cost than other modern lighting. And it eliminates the one great defect—reflected glare—which is present in most other systems.

## Beaver Sailors In Two Regattas

Top Field Of Eight; Fourth At Coast Guard

Officially opening their 1949 sailing season on Sunday, October 2, the Beaver squads participated in two regattas over the week-end. While the first team traveled to the U. S. Coast Guard Academy at New London, Connecticut, the B-team stayed on the Charles to capture top honors in an octagonal meet.

Sweeping the field with 113 points, a comfortable 19-point margin over the R. I. State runners-up, the Techmen were headed by skipper Ken Eldred. Ken, with 61 points to his credit, tied with McCarthy of Holy Cross, for high point honor in the "A" division. Top Beaver in the "B" division was Kevin Barcant, with 53 points, one less than the Dartmouth skipper, top man in his group.

### Yale Is First

Meanwhile, in the Coast Guard Quadrangular, the Tech crew went down fighting. Sailing against Yale, Coast Guard, and Brown, the Engineers gathered 84 points to emerge last, only three points out of second place. Heavily favored Yale fulfilled all expectations, as they took top honors with 111 points.

The Quad was sailed in three divisions, Star International 14-ft., and 12-ft. Dinghy. In the Star division, Bob Nickerson came in fourth, and in the International 14-ft. class, Ray Brown gathered a 3rd place for the Beavers. In the 12-ft. Dinghy class, Tech's John Lawson and Howie Fawcett brought in a second place.

### Big Regatta this Weekend

Sunday the Techmen journey once more to Coast Guard to participate in the Eighth Annual International Dinghy Regatta. There they will compete with eleven other squads for the Denmark trophy. Although opponents include the King's Point team, Middle Atlantic champions, the Engineers expect to fare much better this time than before.

On Columbus Day, October 12, the Greater Boston Dinghy Championship will be decided. The Oberg Trophy will be presented to the winner of the six-school meet, to be held on the Charles.

## Inst. Comm.

(Continued from Page 1)

filed at the Institute Committee office, is 5:00 p.m., Tuesday, October 25. Absentee ballots for men in VI-A and similar courses may be procured up to 5:00 p.m. on Wednesday, October 26. Special voting for students who will be absent from school on Tuesday will be held from 9:00 a.m. to 5:00 p.m. on Monday, October 31, in the Institute Committee office, and regular balloting will take place the following day in the lobby of Building Ten from 8:30 a.m. to 5:20 p.m.

In other business, the constitution for the Class of 1952 was approved in addition to the Junior Prom budget of the Class of 1951.

## Freshman To Initiate Briggs Field Lights Against B.U. Tuesday

Technology's soccermen will raise the curtain on their 1949 season tomorrow afternoon, as they tangle with Amherst's booters on the latter's home field. This will be the first of three way games which precede the home opener against Tufts on October 19.

In their final tuneup before the opening game, the Engineers scrimmaged against a semi-pro team from Revere on Wednesday afternoon, and tied at 1-1. The Beaver second string played the entire second half and held the opposition scoreless.

### Team Looks Good

The general feeling in the Engineer camp on the eve of the opener is one of optimism. Dick Thomas' squad has lost All-American Jim Veras and star goalie Howie Hendershott through graduation, and Per Smith and Milt Rand through injury. However, several promising men have come up from last year's freshman team to replace them.

Starting at goal for Tech will be Pete Silveston, a junior who has looked very good in practice. Other newcomers in the starting lineup will be Frank Rahmatallah, Oscar Semb, Edgardo Blanco, and Ricardo Haegler. All but Haegler were on the freshman squad last fall.

### International Flavor

Among the holdovers from last year's squad are captain Dimi Dimitriou, high-scoring forward Harry Falcao, Jack Barcinski, Steve Akcharman, Bill Austen, and Ralph Thornton. Once again the team will have an international flavor, with six foreign countries represented in the starting lineup. They include Cyprus, Norway, Brazil, Iraq, Colombia, and Turkey.

Tomorrow the Engineers will be out to avenge the result of last year's game in which Amherst shut them out, 4-0. Amherst is again reported to be strong, having tied Connecticut in a scrimmage, but according to Captain Dimitriou, we "stand a good chance against them." Dimitriou suffered a slight leg injury in the Revere scrimmage but expects to be in good shape for the game.

### Frosh Play Under Lights

The Tech freshmen will start off their season next Tuesday when they meet B.U. frosh on Briggs Field at 5:30 p.m. This game, which has just been added to the schedule, will be the first actual competition to be held under the newly constructed Briggs Field lighting system. The Beaver frosh have looked good in practice and are looking forward to a successful season.

### Tomorrow's starting lineup:

Goalie—Silveston  
Right Fullback—Thornton  
Left Fullback—Dimitriou  
Right Halfback—Semb  
Center Half—Haegler  
Left Half—Barcinski  
Right Wing—Austen  
Inside Right—Blanco  
Center Forward—Rahmatallah  
Inside Left—Akcharman  
Left Wing—Falcao

## New Shell Christened By President Killian

A new addition to the Tech crew was christened in a short ceremony at the boat house last Monday afternoon. The addition, a shell named the "Karl T. Compton" in honor of the former President of the Institute, was christened by President Killian while Dr. Compton and other Institute dignitaries looked on.

After the ceremony the shell was taken out on the river and given a workout by the varsity crew.

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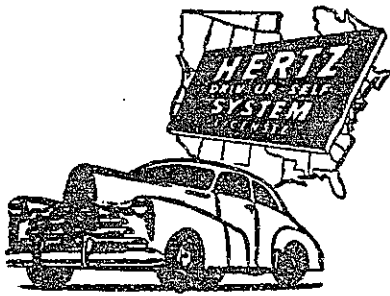
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## New Tech Show Needs Females

### 125 Attending Smoker Hear Parts Of Show

Auditions for the cast and chorus of Tech Show 1950 started early this week and will be held throughout next week, according to Arthur Wasserman, '51, general manager. Special efforts are being made to attract interested feminine members of the Tech family, including: co-eds, secretaries, students' wives, and staff members.

Many have already made appointments for tryouts but the managing board is still seeking additional people; in particular, women are needed for the feminine leads and chorus. Wasserman urges all interested in participating in the show to make appointments for auditions, even though they may not consider themselves especially talented.

#### Make Appointment

Persons interested in the Tech

Show cast who have not already made appointments for tryouts are requested to contact Taj Hanna, '52, personnel manager, in the New Dormitory. He will be able to supply all necessary information concerning auditions. Sitting in on the auditions, along with the Managing Board, will be Professor William Greene, faculty advisor; Mr. Brewster Denny, director; Robert Abelson, '48, script writer; and Johnny Leffler, '52, music manager.

As a result of the Tech Show smoker held Monday many have already signed up for tryouts and staff positions on the current show. Those attending the show smoker received a picture of Tech Show as it stands today, including a description of show organization and a peek at the script for the March, 1950, production. Robert Abelson did a few routines from the script and briefly explained the plot.

Arrangements are being made to engage Cambridge High and Latin auditorium for the performance of the show.

## Sophomore Party Planned Oct. 21

### "Schlitz Singers' Swing" Features Free Food

To arouse Field Day spirit, the Sophomore Class is planning a party for Friday, October 21, which will last from 8:30 until 12:00 p.m. "Schlitz Singers' Swing," as it is called, will be held in Rockwell Cage.

Billed as a stag affair, the party will be on the order of last year's "Devil's Roast." Door prize of the evening will be a case of the Milwaukee that made beer famous, "Schlitz."

The program will include: Professor F. Alexander McGoun, the well known ex-Technology Human Relations counsellor and lecturer; Track Coach Oscar Hedlund; the "Techtet," which will lead a group sing; and, of special interest to both the freshman and sophomore classes, the soph Field Day captains.

Refreshments for the group will consist of free beer, hot dogs, sandwiches and all the trimmings.

## Bridge

(Continued from Page 1)

four bearings at each pier. The bearings now being removed from the structure have not been changed since 1924 and are so badly rusted that they look more like cakes of dirt than steel cylinders. Rust resistant metal plates called lubrite will replace the old bearings.

### Wrought Iron Structure

Unlike the surface and the bearings, the structural members of the bridge are in good condition. Since structural steel was not available in 1885 (when the bridge was built), wrought iron was used in the superstructure. Although wrought iron stands up under the elements better than steel, iron produces much more "give" under stress. Perhaps this explains the fluttery feeling in the pit of one's stomach every time a heavy truck rolls over the bridge.

According to the latest information from the Metropolitan Transit Authority, no trolley tracks are going to be laid on the bridge. In fact, the City of Boston plans to remove the tracks between Back Street (by the river) and Newbury

Street (by Massachusetts Station). The City of Cambridge has already removed the track between Harvard Square and Central Square but has not yet made any plans to remove the trolley line between Central Square and Technology, since the Watertown car still uses this line.

As soon as the bridge is completed, the M.T.A. plans to run buses between Harvard Square and Massachusetts Station. Eventually, these buses will be replaced by trackless trolleys.

## Killian

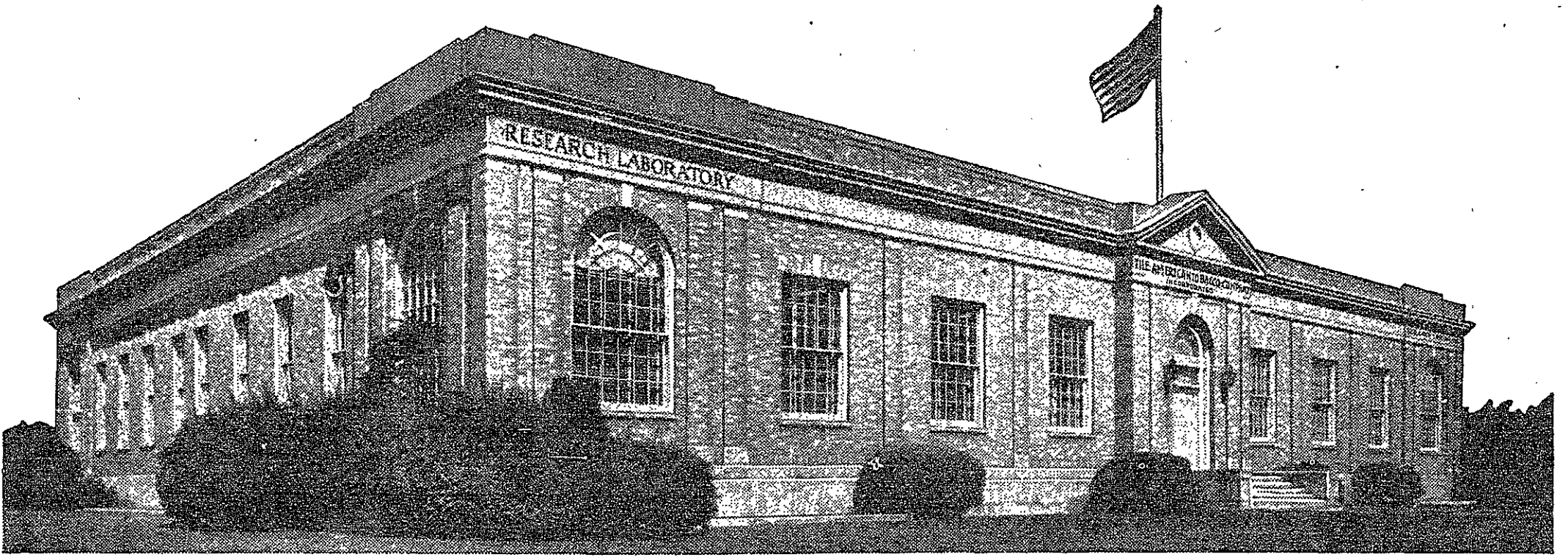
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the New Dormitory, "Eastgate," and the 12 MEV electrostatic generator.

### Student Affairs

Finally Dr. Killian brought out that progress has also been made in the conduct of student affairs. Citing the high degree of responsibility accepted by the students, Dr. Killian pointed out the number of new projects that have been undertaken by them, especially in matters of discipline, the government of fraternities and other housing units, and the improvement of their living environment.

# To give you a finer cigarette Lucky Strike maintains AMERICA'S FINEST CIGARETTE LABORATORY



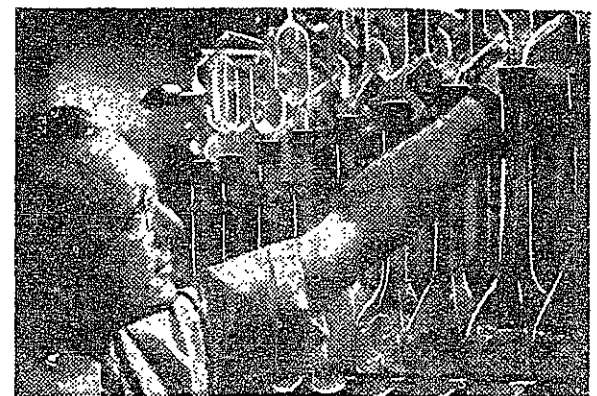
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YOU SEE HERE the largest and most complete laboratory of its kind operated by any cigarette manufacturer in America.

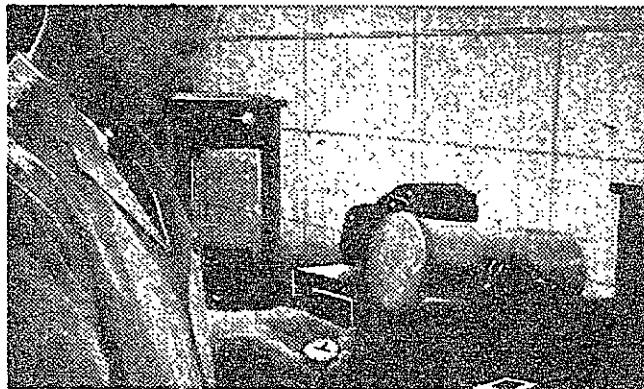
For many years Lucky Strike scientists have delved into cigarette research on an extensive scale. Out of this has grown an elaborate system of quality control. Every step in the making of Luckies—from before the tobacco is bought until the finished cigarette reaches you—comes under the laboratory's watchful eye. As you read this, a constant stream of tobacco... samples

from every tobacco-growing area... is flowing into the laboratory in Richmond, Virginia. These samples are scientifically analyzed, and reports of their quality go to the men who buy at auction for the makers of Lucky Strike.

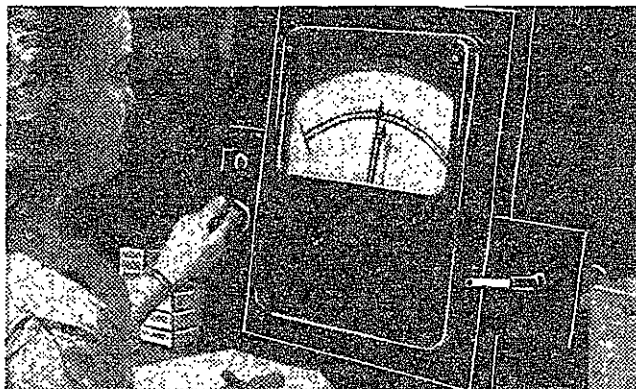
Armed with this confidential, scientific information—and their own sound judgment—these men go after finer tobacco. This fine tobacco—together with scientifically controlled manufacturing methods—is your assurance that there is no finer cigarette than Lucky Strike!



Testing tobacco. Samples from every tobacco-growing area are analyzed before and after purchase. These extensive scientific analyses, along with the expert judgment of Lucky Strike buyers, assure you that the tobacco in Luckies is fine!



So round, so firm, so fully packed. Typical of many devices designed to maintain standards of quality, this mechanism helps avoid loose ends... makes doubly sure your Lucky is so round, so firm, so fully packed.



So free and easy on the draw. This meter draws air through the cigarette, measures the draw. Samples are tested to see if they are properly filled. Tests like this guarantee Luckies are free and easy on the draw.



We know: **LUCKIES PAY MORE**  
for fine tobacco  
(millions of dollars more than official parity prices)

We are convinced: **LUCKIES PAY MORE**  
for cigarette research



So, for your own real deep-down smoking enjoyment

**Smoke a Lucky!**

Lucky Strike's fine tobacco and constant research combine to give you a finer cigarette. Prove this to yourself. Buy a carton of Luckies today!