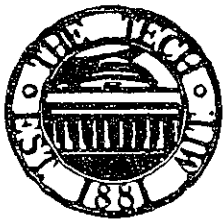


# The Tech



OFFICIAL NEWSPAPER OF THE UNDERGRADUATES OF THE MASSACHUSETTS INSTITUTE OF TECHNOLOGY

VOL. LXV. NO. 40

CAMBRIDGE, MASSACHUSETTS, FRIDAY, NOVEMBER 4, 1955

5 CENTS

## Burton House Comm Investigates Parking Situation, Assignment Of Rooms, Purchase Of Washers

The shortage of parking space, the lack of promised washing machines and the system of room assignment were the major problems facing the Burton House Committee at their meeting this past Wednesday evening.

A sub-committee was appointed to look into the parking problem. This committee has as its goals—to find more parking space in the vicinity of Burton House and to investigate the system of distribution of parking permits. There is strong feeling among the Burton residents that there is "something rotten in Denmark" or rather on the Dormitory Council, with regard to parking sticker distribution. Dorm Con is the body that decides who shall receive said stickers, and therefore it is this body that shall bear the brunt of the investigation into the "Parking Sticker Scandal."

Burton House is having difficulties

## Killian Stresses Science As Peaceful Force

Science is both a deterrent to war and a force for peace, Dr. James R. Killian, Jr., president of the Institute, declared at a luncheon of the Nutrition Foundation at the Plaza Hotel in New York Wednesday.

"The hazard we face is that science will be so identified with destruction and so hemmed in by security considerations that its real significance will be lost, its ranks weakened, and its creativity diminished," Dr. Killian said.

"By increasing the power of weapons," President Killian asserted, "science may be helping . . . to convince the nations of the world that total war is no longer a possible instrument of national policy for anybody." But at the same time it is improving man's health, his standard of living, his standard of understanding, and his opportunities for spiritual growth and is therefore a force for peace.

"Our great problem and opportunity now are to let science be its true self and thus to realize its full potential for good," Dr. Killian continued.

"We live in a period marked by

buying the Maytag Washers originally decided on. The Maytag plant has been closed due to a two-month strike and the end of the strike is not in sight. Therefore the house committee is looking into other brands, and they hope to have the machines in Burton and washing clothes within two or three weeks. The dryers are already purchased and will be delivered when the rest of the equipment is ready.

A second sub-committee was formed at the Wednesday night meeting. This one organized to look into the room assignment system, and if possible to improve on the present methods. The committee was formed as a result of pressure on the house committee in the form of complaints regarding room assignments.

The results of the investigation of the Coop will be reported at next week's meeting.

## Commuter Problems And TEN Situation Discussed By Inscomm; Announced That Institute Calendar Will Not Be Changed

The first item of importance on the agenda was the motion in which Inscomm . . . mandates the Activities Council (a sub-committee of Inscomm) to undertake an investigation of the *Tech Engineering News* . . . Representatives of the managing board of TEN sat in silence as an investigation into . . . the legality of business operations . . . the scope of activities of the organization . . . the status of financial liabilities." Dick Peskin '56, vice-president of the Institute Committee, told the committee

## Sophs Hold Muglift Drown Frosh Raid

Mug-lifts are by definition always successful and last Friday night's was no exception. This year's Sophomore class had a turnout three times as great as last year's—both in number of Sophs and Frosh. No clear account of the blast is to be had as no one left the brawl with any clear recollection of what transpired.

One of the highlights of the evening was a raid staged on Baker House. Many freshmen stationed themselves in the Baker lobby with intentions of raiding the lift. But, knowing that an offense is the best defense, the sophs took the battle to their rivals, and returned to the lift with about five or six new bartenders.

Blurry memories recall freshmen being doused with beers, sophs holding private chugging contests and people climbing ladders erected in the center of the cage. Coeds of the Class of '58 were honored guests.

### BAKER COCKTAIL PARTY

Everyone is invited to a cocktail party which will be held in Baker House tomorrow, from 4:30 to 6:30 p.m., after the glove fight. The name of the program is "Jazz Goes to Baker," with the Dukes of Dixie from Mahogany Hall playing.

that the investigation had been initiated because of some frequent "rumors" that had come to the attention of the members of the Executive Committee. He emphasized the fact that there was at present no positive evidence of any shady dealings. Jack Saloma '56, President of Inscomm, stated further that this case was precedent making. At any time in the future when unsavory rumors about any organization reach a high level, Inscomm will take action, Saloma said.

Inscomm next considered developments in the commuter issue. Ed Roberts '57, commuter representative to Inscomm, had previously presented a motion which would establish a center for the use of commuting students. This center would be located on the entire second floor of Walker and would entail the moving of the TCA. The motion was referred to a special committee and will be reported on at the next meeting.

Then Inscomm considered critically the proposed constitution for the Commuter's Association. Chiefly discussed were the sections defining who was to be considered a member, and who

would be obliged to pay the commuter dues of five dollars per year. The Constitution will be formally considered next week.

Inscomm then plowed into a long, tedious discussion on some policy resolutions of the National Student Association, of which MIT is a member. The resolutions of the NSA concerned "Model Educational Practices Standards," or in other words, campus segregation and discrimination. Inscomm decided that it was for the program, with minor reservations.

Bob Alter '56, chairman of the International Program Committee, moved to force the previous members of the Senior Ring Committee to pay for the free rings that they had obtained last year. Reappraisal of the entire Inscomm attitude towards morals in student activity followed. The motion was tabled.

Inscomm also approved the elections of Senior Ring, Senior Week, and Junior Prom committees. Saloma announced that there would be no change in this year's Christmas vacation, but stated that in the future each class would have the opportunity to vote on its vacation dates.

## Tickets For Don Pasquale On Sale Monday

Baton Society has announced that tickets for the first performance of opera in the Kresge Auditorium will go on sale to students on Monday, November 7, with general sales commencing on Thursday, November 10. All tickets will be sold next week at the Baton Society booth in Building 10. Starting Monday, November 14, they will be available in room 14N-236.

Date of the performance is Sunday evening, December 4, and the work to be presented is Donizetti's comic opera *Don Pasquale*. The production will be by the New England Opera Theatre under the direction of Boris Goldovsky. James Joyce will be featured as the old bachelor Don Pasquale; and Nancy Trickey, already known to MIT audiences for her per-

formances with the Choral Society, will play the scheming widow Norina.

This production is now on a highly successful trans-continental tour, and is adding more fame to the already famous New England Opera Theater, which is outstanding in that it produces opera which is "living theater." New England Opera Theater's singers are just as carefully trained in the acting aspects of their roles as they are in the vocal aspects. All of the Theater's performances are in "clear, understandable" English.

Tickets for the presentation in Kresge are priced at \$2.00, \$2.50, and \$3.00. Baton Society urges that students take full advantage of the special three-day sale, for an early sell-out is possible.

## John Corley, Conductor Of Orchestra, Brass Choir, Band, Possesses Outstanding Musical Background

This is the first of two articles about the director of the MIT Symphony Orchestra, Concert Band, and Brass Choir—John Corley. This article deals with his background, the next will deal with his work at MIT in the past, present and future.

Those who peruse the columns of this newspaper have often read the name John Corley in connection with MIT's instrumental musical organizations. But although they may know of him, they know little about him. Just who is this man who is such a dynamic force in the MIT musical groups, who has built the Concert Band and the Brass Choir to astounding heights, who devotes his evenings and weekends to the musical enjoyment of Institute students, but whose name does not appear in the school's catalog?

John Corley is the older by three years of two boys in a musical family. His mother was a concert pianist and accompanist. His brother currently holds the post of Supervisor of Music in the Brookline public schools, and the Director of Bands of the Brookline public schools.

Both John and his brother began their musical education at an early age, and later became outstanding performers on their respective instruments. John studied the cornet, first

with a famous band cornetist, and later with the first trumpeter of the Boston Symphony Orchestra. His brother Bob studied trombone. Both achieved almost professional competence while in high school, and John was active in community orchestras in his senior year.

### Strong Interest in Brass

John first became interested in brass ensemble and brass choir while in high school. This interest has grown steadily and now manifests itself in the MIT Brass Choir. When he entered Boston University in 1939, he formed an immediate and lasting friendship with Robert D. King, who was a graduate of the music departments of B.U. and Harvard, and who was publishing and performing brass music.

King had formed a brass quartet a few years earlier, and John now became a member. It was inevitable that Bob Corley should also join. The fourth member was a girl named Sally Thurman. Sally was, like John, a freshman at B.U. She was also a solo cornetist, and in short time a rivalry developed which was ended by their marriage.

While a college student, John played in many prize-winning ensembles. In 1940 he began writing brass trans-

criptions, something he is still doing. Some of these transcriptions have found their way onto discs; many have been published. All of this, however, was merely a sidelight, for John was busy studying in preparation for a career in a symphony orchestra.

### Wins National Competition

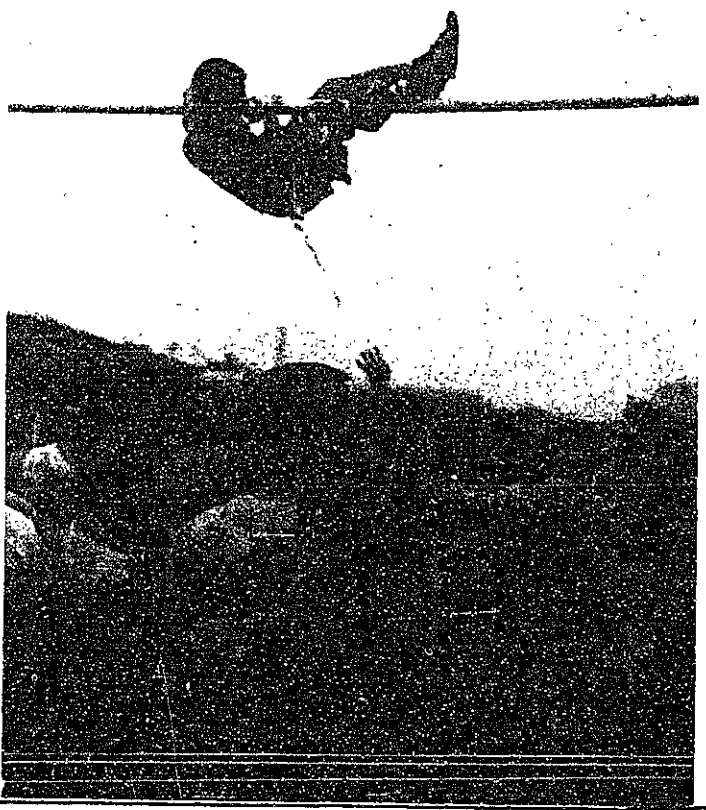
In 1941, a summer music center at Tanglewood was founded, and nationwide auditions were held to determine the recipients of full scholarships for study and for the opportunity to play under the center's director, Serge Koussevitzky. John Corley was selected as one of four cornetists to receive this scholarship. Unfortunately, he was unable to accept the grant.

In March, 1942, this country was at war; and since the armed forces needed men in many capacities, John and Bob King auditioned for a local Air Corps band. They were soon sent to Texas where they took a series of examinations for entrance in the new Army Bandmaster's School. Both were admitted.

John completed the two month course in half the time, consistently tying for top marks, whereupon he was commissioned a warrant officer and assigned to the 28th infantry division. (Continued on page 8)

## The Tech, Hedlund, Balch Concur; Sophs Dominated Past Field Days

As in past years, the athletic director along with track coach Oscar Hedlund have been put on the spot by *The Tech* to make predictions as to the outcome of Field Day. Athletic Director Richard Balch states, "Although unable to borrow a crystal ball to judge the outcome of the Field Day events between the two classes, I have been assured by competent members of the MIT community that both sides will win despite the numerical outcome." With this qualification in mind, Mr. Balch went on to predict wins for the (cont. on page 4)



# The Tech

Vol. LXXV

Friday, November 4, 1955

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## Editorials

### WHO'S WHAT?

It has come to our attention that there seems to be many conflicting powers which claim to have jurisdiction in Walker Memorial. Out of the conglomeration that includes General Services, Buildings and Power, the Dean's Office, the Activities Council, the Student Committee on Educational Policy, and the Walker Memorial Space Committee, there is bound to come nothing more than chaos.

Last spring the Walker Memorial Space Committee, in cooperation with Activities Council, submitted a list of recommendations to the Dean's Office. These recommendations provided for many changes in the facilities in Walker Memorial, and were primarily concerned with developing undergraduate activities on campus, and consolidating them in a single location.

This fall, the SCEP made conflicting recommendations to Institute Committee. They advised the construction of a Commuter Center on the second floor, but failed to consider the needs of the activities at all. Therefore, the powers that be are faced with a choice between two conflicting interests, and undoubtedly some compromise will have to be made that will satisfy neither party.

If this is not enough, we are faced with the problem that there is no clearly defined administrator for Walker. The Dining Service has jurisdiction over its area, Building and Power over another area, and the students themselves over yet another. All of these areas overlap to a certain degree. As a result, there are numerous questionable policy decisions made with regard to Walker Memorial. For example, the administration refused to construct a partition on the second floor of Walker this summer because it would destroy the beauty of the beam ceiling in the lobby, and would clash with the architecture. This fall the "beautiful wood beams" have been painted over, and the administration proposed to construct a partition in the second floor lobby. We wonder which administration made this second decision?

It is increasingly evident that what is needed in Walker Memorial is some organization of administrative duties. Certainly all parties concerned should have a voice in the policy decisions, but there should be some ultimate authority who has some real power.

M. P. B.

### THE DECLINE AND FALL...

Many years ago, when engineers were rugged, with hair on their chests, MIT held its first Field Day. Today's version would hardly be recognized by one of the old timers familiar with the 1901 product. Instead of mild mayhem we have Queens; instead of frosh-soph rivalry we have cocktail parties; instead of the shouts of the victors and the groans of the vanquished the sweet strains of the JP orchestra are heard in the land.

Now the original purpose of Field Day was to provide a fitting climax to weeks of Freshman-Sophomore rivalry—in theory it still remains so. But little by little throughout the last decade there has come a trimming and chopping of the old frosh-soph conflict: hazing—restricted; glove fight—revised. The Purple Shaft is no longer the symbol of a spirited rivalry; it's now a tiny pin to award the JP-Field Day Queen. Time was when Field Day was welcomed with a yell and a rush; this year it's off in a puff of pink fluff.

Advocates of the new order tell us that they are creating a new tradition at Tech. How paradoxical—that the cost of a new tradition should be the sacrifice of our only old one.

A.H.S. and J.D.R.

## Poet's Theatre Here November 9 To 12

Poet's Theatre was founded in 1950 when a group of New England's outstanding poets joined forces with a group of promising young writers in an effort to encourage poetic drama. The society performed in various theatres in Boston and Cambridge until 1954, when they acquired Palmer Street Workhouse, their present home. In their first five years the members have found themselves fully occupied by a curriculum of thirty-four plays. Included in these productions are such major works as "The Gospel Witch" (Lyon Phelps), Mary Manning's adaptation of "Finnegan's Wake" (James Joyce), and a reading of "Under Milk Wood" by its author, Dylan Thomas. The reading was the play's initial appearance before the American public.

### Little Theatre Performance

This year's season opened last Saturday with a new verse translation of "The Misanthrope" (Molière) by Richard Wilbur. The play will continue at the Poet's Theatre Workshop until Sunday, November 6. The group will make their first appearance at MIT when they perform at the Little Theatre from Wednesday, November 9 through November 12.

Mr. Wilbur, who has won the coveted Prix de Rome, spent three years in Europe completing the translation. When asked to comment on his work, he stated that he had tried to retain all of Molière's thought using the idioms of a different language. The translation is expected to be published shortly by Harcourt Brace and Company.

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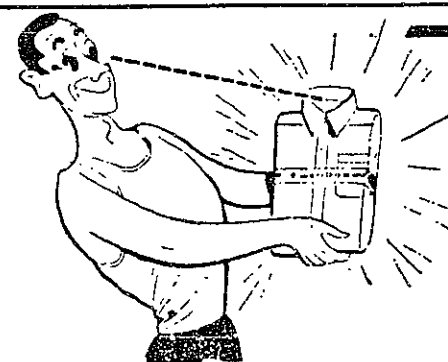
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## A Campus-to-Career Case History



## "It sounded good to me"

Charles Poole, B.S. in Business Administration, Boston University, '52, is working for New Jersey Bell Telephone Company as a Traffic Superintendent. For a young man he has a lot of responsibility. And responsibility is what he likes. He has three New Jersey exchanges under his supervision—Dover, Madison and Washington—which total nearly 16,000 customers, and he manages a force of some 160 operators, including nine chief operators and fifteen service assistants.

"It's the type of job," says Charlie, happily, "where you can never say you're caught up. There's always some-

thing to do." Each day brings Charlie new problems, new experiences. And with every passing day his grasp of the telephone business is getting stronger, his value to the company is growing.

That spells the kind of future that Charlie wants: the opportunity to take an ever-increasing part in an ever-expanding business.

"It sounded good to me," Charlie says, remembering what he thought when the telephone interviewer had finished telling him about the company and its future. And, as you might expect, it still sounds good to him.

Charlie Poole is typical of the many young men who are building careers in telephone work. Similar opportunities exist today with other telephone companies, and also with Bell Telephone Laboratories, Western Electric and Sandia Corporation. Your placement officer has the details.



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# Musical Clubs To Present Concert Sunday Afternoon In Auditorium

Brass Choir:	Brass Choir:
Provide Domini.....Bonelli	Symphony for Brass, Op. 5.....Ewald
Toccata.....De Lassus	Two Ricercari for Brass
Sonata Octavi toni.....Gabrieli	Instruments.....Osborne
Glee Club:	Concerto for Timpani and Brass
Wanderer's Song.....Schumann	Weinberger
Amor.....17th Century Glee	The Brass Square.....Zinders
Brass Choir:	Glee Club:
Three Pieces.....Pezel	Battle Hymn of the Republic.....Steffe
Sonata No. 24.....Reiche	(arr. Ringwald)
Sonata from Bankelsangerlieder	Hoodah Day.....Chantey
Anon.	(arr. Bartholomew)
Glee Club:	The Musical Trust.....Clokey
Fain Would I Change That Note	Brass Choir:
Vaughan-Williams	Sharagan and Fugue.....Hovhaness
The Omnipotence.....Schubert	Sound Piece for Brass and
(arr. Liszt)	Percussion.....Read
	Morgenmusik.....Hindemith

The MIT Musical Clubs have announced that the first concert in Kresge Auditorium of the 1955-56 season will take place Sunday at 3:00 p.m., when the Glee Club and Brass Choir will combine in a program which will be presented free.

The Brass Choir, under the direction of John Corley, will open the performance with three antiphonal works by 17th Century masters, the latter two being performed with the choir divided in the two galleries. The Glee Club under Prof. Klaus Liepmann will then sing two numbers. The two groups will thus alternate for the balance of the performance.

Highlights of the Brass Choir's program, in addition to the antiphonal works, will be the *Symphony for Brass Choir*, Opus Five, by Victor Ewald, and the *Concerto for Timpani and Brass*, by Jaromir Weinberger.

Andrew Kazdin will be featured as timpani soloist.

The Glee Club's program features two soloists: Alan Storms in *The Omnipotence*, by Schubert (arr. Liszt); and William O. Roberts in *Hoodah Day*, by Chantey (arr. Bartholomew).

This concert will be the first of its kind to be presented at MIT. According to John Corley "Both groups have worked hard, and are eagerly anticipating Sunday's performance, which should prove to be one of the outstanding Musical Clubs' presentations of the year. The unusual acoustical properties of the Kresge Auditorium are particularly well suited to antiphonal music and multiple brass, and this concert will provide an excellent opportunity to become acquainted with a little-known, but rich, portion of the musical repertory."

## ivory tower

by Berthold Lippel '56

There was a knock on my door. "Come in," I said automatically; the door opened and a tall man entered. Silently he removed his coat, whipped out a magnifying glass, examined my chair for fingerprints, then sat down with a satisfied expression on his sharp features. "Holmes is the name," he uttered in impeccable Oxford tones, "Sherlock Holmes, Detective. Heard you have a couple of mysteries you would like solved. Sherlock Holmes can solve any mystery under the sun. Go ahead, old chap, and tell me what's puzzling you."

"Glad to see you, Sherlock old thing," I said with the best flegmatism I could muster, "probably quite elementary, you know, but still quite mysterious, these mysteries of mine." Sherlock pulled out his trusty pipe, and started to puff away with an expectant air. I lit a cigaret, cleared my throat, and began:

"The first mystery is what I like to call The Mystery of the Chicken Croquettes. Last week, at Commons Meals, the menu board announced that we would have Chicken Croquettes a la Reine. I at once whipped out my French-English dictionary, a necessary implement for Commons these days, and found that this meant chicken croquettes the way the queen used to make them. It failed to say which queen, and anyway all my curiosity was soon entirely monopolized by the croquettes themselves. With naive logic, I looked for a trace of chicken in the chicken croquettes, but my most earnest analytical efforts failed to detect any trace of the fowl. Had the chicken escaped the chef in time and gone into hiding? Or maybe the place to look for chicken was in the queenly sauce over the croquettes? What do you think of this mystery, Sherlock?"

Sherlock removed his pipe from between his aristocratic lips, and a rather bored expression crept over his face. "Elementary, my dear fellow, elementary," he drawled, while I listened with admiration. "The purpose of Commons, as you well know, is to fill your organism with a steady and concentrated flow of starches. Now a chicken is, operationally speaking, a small starch conversion machine. The chicken eats grain, which is starch. It converts this starch into meat, and your organism in turn reconverts about half of the chicken meat into starch again. It is obvious that this is an inefficient process, and especially at MIT it was inevitable that someone would notice it. So instead of feeding the grain and starches to the chicken first, the chicken is logically bypassed altogether. The starches are simply cooked and mixed with a number of other ingredients which, even I must concede, are a closely guarded secret and chemically unidentifiable. In order to keep the concept of the now obsolete chicken in our cultural and historical memories, the custom is to call the dish nevertheless chicken croquettes. The queen referred to by the 'a la reine' is of course Marie Antoinette of France who was the first to advocate this theory of croquettes. One day she made the statement . . . 'the people want chicken, well let them eat bread!' You will remember that this cry prompted the chicken growers of France to start the French Revolution and cost the queen her head, ironically enough by having it chopped off like a vulgar chicken. But this is another story . . ."

"My last mysteries concern the Hayden Library, specifically the Humanities Reserve reading room on the ground floor. Is it supposed to be a library serving as a corridor, or is it a corridor serving as a library? And can something be done to make it one or the other?"

Sherlock Holmes' pipe had gone out, his face had become quite pale, and a defeated expression made him look old and worn. "Sorry, old chap, very sorry. I'm afraid I can't solve these mysteries. Most humiliating, you know, first time it happened to me. Think I'll go back to my London flat and do some research about it. Will let you know. Cheerio and all that."

## Apathy Marks Elections

Polis were open from 9 a.m. to 5:15 p.m. on Tuesday, November 1. A total of 649 students voted between those hours. The lowness of this figure is due mainly to the general apathy of the Class of '57 towards the election with only a little over eighteen per cent of the class voting. Results of the election:

Senior Week Committee: R. Gordon Black, J. Ray Bowen, Arthur Frank, Al Spahr, Tom Hoffman, Marvin Reiss, Gene Marcus, Stewart Frank, Al Schallenmuller, Tom Doherty.

Senior Ring Committee: John Day, III, Chairman, Stan Kroder, Richard Smallwood.

Junior Prom Committee: Toni Deutch, Ernest John Irwin, James Benenson, Jr., Stanley Graves, John O'Brien.

## WMIT Highlights

Friday	6:00- 6:45 IN THE MOOD—excerpts from third limited edition Glenn Miller album.
7:00- 9:00	BEAVER HIT PARADE—the nation's 25 top tunes based on the Billboard "Honor Roll of Hits."
10:30- 3:00	NIGHT OWL—requests will be accepted until 2:30, and the program will be extended at least an additional hour because of late open house hours.
Saturday	12:30- 5:00 FIELD DAY—all Field Day events broadcast direct from the field.
8:45- 9:00	SPORTS ROUNDUP.
9:00- 2:00	NIGHT OWL.
Sunday	3:00- 6:00 SUNDAY FEATURE CONCERT (opera) or THE BRASS CHOIR (from Kresge Auditorium). Watch bulletin boards for further announcement.
8:00-10:00	MUSIC NOTEBOOK — Words and Music.
10:05- 1:00	SUNDAY SPOTLIGHT — uninterrupted popular music. In the Feature Spotlight at 11:00 will be music from Kismet with Percy Faith and the Orchestra.
Monday	6:00- 6:45 JAZZ WORKSHOP.
11:00-11:15	JILL COREY—music and chatter with the 20-year old singer.

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# SOPHOMORES AND FRESHMEN CLASH TOMORROW

beaver barks

by E. H. Weymar '58 and Jack Friedman

## MIT's Cane Rush Was Field Day Forerunner

(Continued from page 1)

Sophomores in swimming, crew, glove fight, and the Purple Shaft, while giving the Frosh points in the tug, football, and track, thus picking '58, 13 to 10. Coach Hedlund, traditionally a choser of the freshmen, has broken with the past this year and has picked the Sophs as overwhelming 19 to 4 victors. The only points the experienced predictor has granted the Frosh are in the tug and the shaft, with '58 taking the rest.

### Sports Staff Selects Sophs

To add to the confusion, the sports board has decided to accompany Messrs. Balch and Hedlund on their limb by making its own predictions. We like '58 in crew due to experience, in track due to unbeatable class, in the Purple Shaft due to possession, in football due to power, and in the glove fight due to brains. The Frosh should take swimming behind depth, and the tug behind the fact that they already have won one pull. We thus pick '58 by 17 to 6.

### Field Day History

Tomorrow's Field Day is the fifty-

fifth in the series which began in 1901. Before the advent of this traditional event, freshman-sophomore rivalry culminated in the annual Cane Rush. The Freshmen were given possession of the cane. They then tried to ward off the attacking sophomores, who often employed the legendary, and often deadly, flying wedge. The Rush was supposed to end with a pistol shot fifteen minutes after the start, but usually continued until both sides could be quieted. When the scrimmage was finally over, sophomore and freshman bodies were peeled from the huge pile and the hands still holding the cane were counted. The class with the largest number won. The Purple Shaft commemorates this event.

The innovation of Field Day came about at the spontaneous and unanimous demand of the student body after the fatal Cane Rush of 1900. Rather than stopping at the pistol shot that day, the fight, as usual, took on an even more determined aspect. When the fracas finally ended, and the members of the rival classes were unpiled, as reported in *The Tech* on November

5, 1915, "the unconscious body of Hugh Chadwick Moore '04 was found wrapped around the cane and, although he was removed immediately, all efforts to revive him were unsuccessful. By his side was Harold W. Sherrill '04, who was carried from the field suffering from a hemorrhage of both eyes and enlargement of the heart, and who never entirely recovered. The death of Moore led to the adoption of the less barbarous Field Day.

In 1901, the first Field Day was held. The freshmen won that year but since then sophomore experience has predominated. Frosh teams have been able to win only twelve of the fifty-four Field Days to date.

Events held in the first Field Day were football, tug-of-war and relay race. Since then the crew race and swim meet have been added. In 1927 the glove fight was added. Last year a touch football game held the week before Field Day was counted in the point total and the Purple Shaft was given official status.

In the years before freshman rules were eliminated, a frosh Field Day win ended the compulsory wearing of freshman ties. A soph win, theoretically extended the tie wearing period until vacation.

The glove fight was, until two years ago, a battleground which pitted sophomore strategy against frosh manpower. Limitations have cut into the sophomore advantage but experience and organization still give them a significant, if lessened, edge.

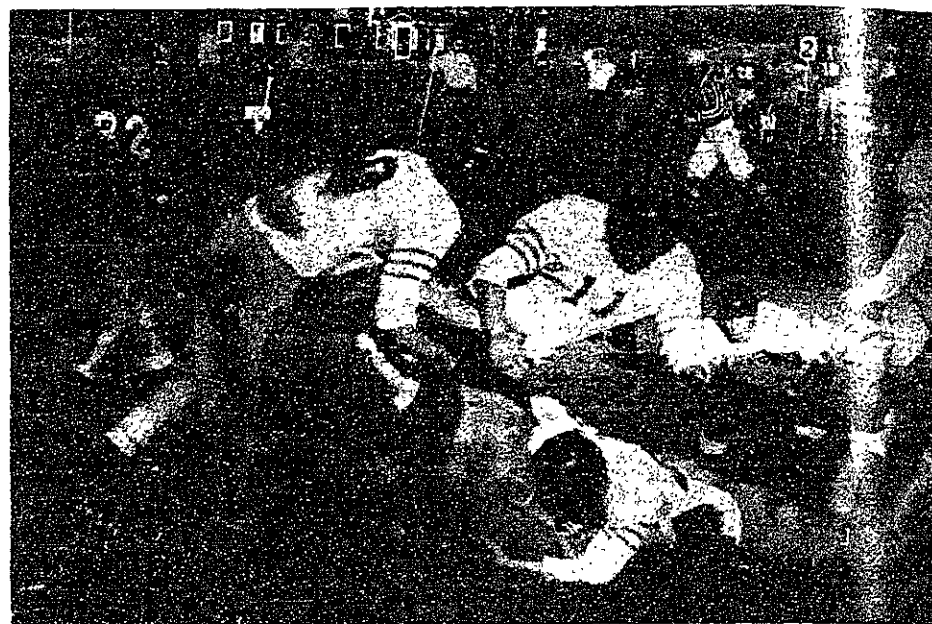
### CREW MANAGING STAFF

There are still two vacancies for Freshmen on the Crew Managing staff. Interested Freshmen are invited to meet the staff any afternoon after 5:00 at the boathouse.

### BRILLIAT SAVARIN

The Societe de Brilliat Savarin will convene tonight at 8:30 in ware 402

## 4 Points To Be Decided On Gridiron; Frosh-Sophomore Battle A Tossup



### SOPH FOOTBALL

Determined to finish with the only undefeated season in many years, the class of '58 is prepared to win the coveted title of locker room champs on Briggs Field this Saturday. They have added several new plays, and look generally keener than they did in their game against Tabor Academy, which they won 13 to 6. Disappointed near the middle of the season because of their loss of two star players, Joe Timms, who was out with an infected leg, and Dave Berg, who badly twisted his ankle in an early practice, the Sophs' spirits were lifted when these two returned to the lineup early last week. John McCarty, Bob Schmidt, and John Kipp, all of whom received minor injuries in the game against Tabor, have all been given the okay to re-

(Continued on page 8)

### FROSH FOOTBALL

Facing a strong Sophomore team this Saturday Field Day, the Freshman gridders will pin their hopes on a running attack out of a Split-T formation.

In the past two games the Frosh have played they have shown improvement in their ability to handle the ball offensively. In their first game with Thayer, the Frosh's running attack was clicking with about five to ten yards on every play, but they could not hold on to the ball and twenty-three fumbles made any scoring virtually impossible. Several outstanding plays were made during the game with Thayer, however, with the best one a sixty-six yard punt return by fullback and co-captain Larry Boyd, who ran from his own four to the Thayer thirty late in the fourth

(Continued on page 8)

## Field Day Swimming Teams Ready Events; Freestyle, Medley Relays

Field Day Swimming should be a repeat of the other activities with the freshmen having a large turnout for the team, while the sophs are struggling to find fourteen men to put in the pool. The '58 team is strengthened by 10 returnees from last year's powerful frosh squad.

The 150-yard medley relay will be the crucial race with the sophs needing a victory to have a chance for the three points. Al Johnson will lead off in the backstroke for the second year men, followed by Fred Davis in the breaststroke and probably Ozark Smith in the freestyle leg. Neither team will divulge the exact teams or the times of any of their men. Will Veeck, Al Hortman, John McAvity, and Al Zimmet are the other top '58 freestylers. Heinie Llaguno, Gus Fleischer, and Joe Burval are the other members of the squad at the present time.

Coach Paul Cotter '57 has predicted

an easy win for the frosh but refused to release any times to back up his boasts. According to Cotter's information, Roger Kane should lead the first year men and "can beat any man on the varsity in any stroke". Kane will be swimming freestyle come Saturday, along with Charley Fitzgerald, Ed Getchell, Paul Brosens, Brooker, and Kossler. Four of these men will swim the freestyle relay and another will swim the first medley but who and where are unknown. The rest of the medley team will be made up of Neal Devine, backstroke, and Lynn Johnson, breaststroke. Pete Wolf and Tom Clark will swim back and breast respectively, on the second team. Cotter stated that Devine and Johnson should have a good lead when they finished and he wouldn't put his best freestyler in to win it. Sophomores are very skeptical of Mr. Cotter's boasts.

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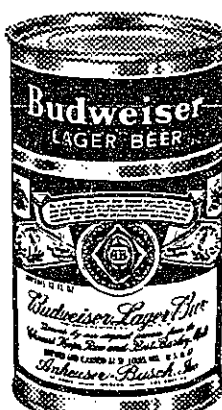
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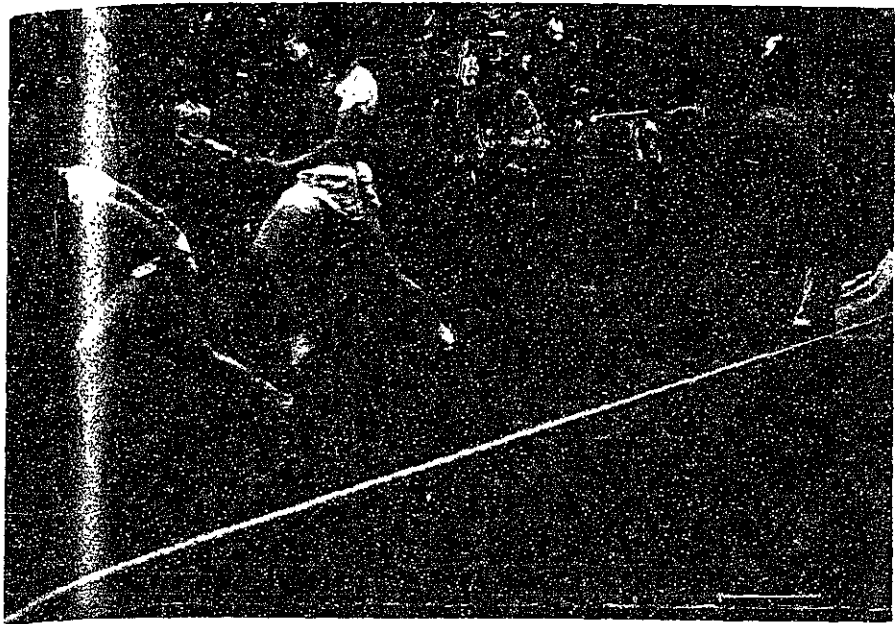
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# IN TECH'S 55th ANNUAL FIELD DAY ENCOUNTER



## Frosh Outnumber Sophomores In Field Day Crew; Class Of '58 Has Experience For Saturday Meeting

At twelve noon this Saturday, Field Day will be officially opened by the starting gun for the Freshman-Sophomore crew race on the Charles. The race course runs from the starting point at the MIT boathouse to the Harvard Bridge, a distance of three-quarters of a mile. The record for this distance is 3:56 set in 1950 by the Varsity crew, and a good Field Day crew can stroke the distance in about 4:20. The three Field Day points at stake in the race may very well decide the competition, and as a result oarsmen for both classes are "up" for the race.

As usual the Frosh out for this sport greatly outnumber their opponents, and of the five shells racing, four will be freshman boats; but the upperclassmen's lack of numbers is compensated for by their experience, for of their team of nine all but Dick Cone have had previous experience and Nobel, Pinsof, and Israel all rowed for last year's '58 Field Day crew. This team has been coached by Bob Wilkes, captain of the MIT 1955 Henley Cup crew. Although the team is in good spirits and looks well coordinated on the water, he conservatively expressed the opinion that, "Chances are very good."

The Frosh crew, with inexperience still somewhat hampering its boats,



is coming along very well under the competent coaching of Al Lawn, new at MIT this year, and assisted by Val Skov, redheaded stroke man for last year's Henley team. The Freshman entries in the race will be composed of three heavyweight (over 150 lbs.) and one lightweight crew. In all these crews only four frosh have rowed before.

In the past several years this race has been strictly Freshman controlled; last year all three frosh boats finished

ahead of the opposing class's boat. This year, however, the '58 crew has developed unusually well, so that this year's race promises to be a much better contest than those of the near past. Frosh coaches Lawn and Skov agree that, "This year's class race has more definite promise of being a closely contested race; and although the Sophomores have been more impressive in recent workouts, the '59 crews have shown great improvement and the race will most probably be climaxed by a close finish."

## Sophs Favored In Relay Race

"Class of '58 over class of '59 on the strength of their superior baton passing and added year of running experience."

That's the opinion of most qualified observers, including veteran Field Day Relay and MIT track coach Oscar Hedlund, on the eve of the 55th annual running of this traditional Freshmen-Sophomore race. The relay teams consist of twelve men, each of whom run a half lap.

If the Frosh should come out victorious there will be more than a few surprised persons on the Briggs Field scene come Saturday afternoon. Such an occurrence, however, is not entirely out of the realm of possibility. A superior edge in passing or a few lucky breaks often spell victory for an apparent underdog team and this year's Sophomore squad will

be fighting a two-year jinx in two consecutive Frosh wins resulting from poor baton passes. Thus the element of chance, constantly present in the unpredictable sport of relay racing, will serve to spur on the hopes of the Class of '59 over the traditionally favored upperclassmen.

Both teams will be at their physical and mental peaks following weeks of strenuous preparation on the Briggs Field track. The conditioning program reached its climax in the time trials run during the last week. From these trials coach Hedlund named his two 14-man squads.

## Field Day Schedule

Field Day Schedule—Nov. 5	Pts.
Crew Race—Charles River	12:00 3
Swim Meet—Alumni Pool	12:30 3
Tug-of-War	
2nd Pull—Briggs Field	12:45
Football Game	
First Half—Briggs Field	1:00
Relay Race—Briggs Field	1:45 3
Tug-of-War	
3rd pull—Briggs Field	2:00 3
(if needed)	
Football Game	
Second Half—Briggs Field	2:15 4
Glove Fight—Briggs Field	3:00 6
Purple Shaft	
Presentation—Briggs Field	3:20 1

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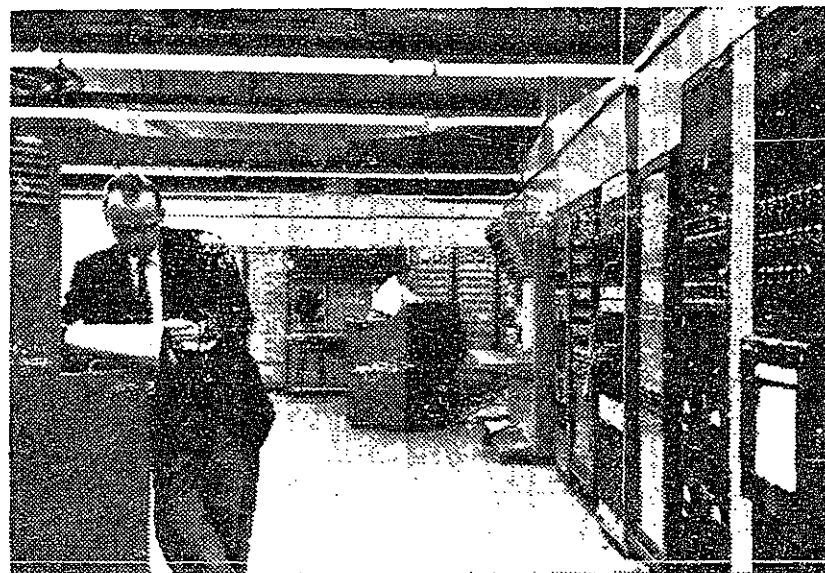
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## Peter Dyke Chosen As First "Athlete Of The Week"

In introducing a column which has long been missing from the sports pages of *The Tech*, this is the first of a series of weekly "Athlete of the Week" write-ups. The choice as to who the subject of the column will be will lie with the sports department, but the opinions of the coaches and involved members of the student body will generally carry great weight in this determination. The Athletic Association has offered its fullest cooperation in aiding in pertaining information, and in considering the possibility of presenting a medalion to each honored beaver.

In inaugurating the column, we have chosen as our first athlete of the week, Peter "Leaky" Dyke. The blond, 5', 10" senior was a rather obvious

choice in that he is co-captain of both the soccer and the lacrosse teams this year, and has won varsity letters in both of these sports for two years, with this being his third.

The son of a Tech graduate and track runner of the class of '22,



Leaky hails from Westfield, N. J. and is in Course X. He spent his high school years at Andover Academy, where he won letters in soccer and basketball, playing on the Andover soccer team which ranked second in New England in '51. Probably his greatest single athletic achievement was in the '55 Stephens Institute lacrosse game, when Pete scored a phenomenal total of four goals and one assist.

Dyke's abilities have not been limited to the playing fields at the Institute, and two of his major activities have been his membership in Beaver Key last year, the athletic chairmanship of his fraternity, and TCA. His featured outside activities are following sports, and "blind dates".

### DIVING RALLY

There will be a diving rally held in Alumni Pool by Coach Roy B. Merritt on Monday, November 7th, at 5:00 p.m. Both experienced and inexperienced men are welcomed.

## the bush leaguer

by William Daly '58

Again this week the Sports Department of *The Tech* will award six, 6, cans of cold BEER to the person who can do the best job of presaging the intramural football games this week-end. One entry to a customer, staff members and their roommates are excluded from competition, and the entries will be due in *The Tech* Office or Baker Box 1300 by noon SUNDAY, since all the games will be played on Sunday.

The games this week are Phi Delta Theta versus Pi Lambda Phi in league one, Beta Theta Pi versus Delta Tau Delta in league two, SAE versus Graduate House in league three, and Phi Gam versus Theta Chi in league four.

These games will wind up the regular play in each league. Since the tournament is double elimination,

Grad House, Theta Chi, Delta Tau Delta, and Pi Lambda Phi will have to win again to take their titles but the rest of the teams are undefeated and can wrap it up Sunday.

The Betas should have the easiest time of it with a 13-6 win over the Deltas already in the books. The Phi Deltas will find Pi Lambda Phi a tough opponent but should take the game by a touchdown. SAE should run over Grad House the way they have run over most of the teams they have met this year, but Grad House looked very good in dumping Sig Ep last week and could give the SAE boys a real battle. The best game of the week should be the meeting of Phi Gam and Theta Chi. Phi Gam holds an earlier 12-6 decision but Theta Chi has its usual powerhouse this year and the contest is expected to be a real battle.

## Weightlifters To Meet

On November 19, there will be a Novice Weightlifting Meet sponsored by the MIT Barbell Club and sanctioned by the New England A.A.U. in the Walker Memorial gymnasium. A novice is any athlete who has never placed first, second, or third in any sanctioned A.A.U. meet. Trophies will be awarded for first, second, and third places in each class. A team trophy will also be awarded.

The entry fee will be \$1.50, and spectators will be admitted free. For information contact Ed Wanger at the Athletic Association.

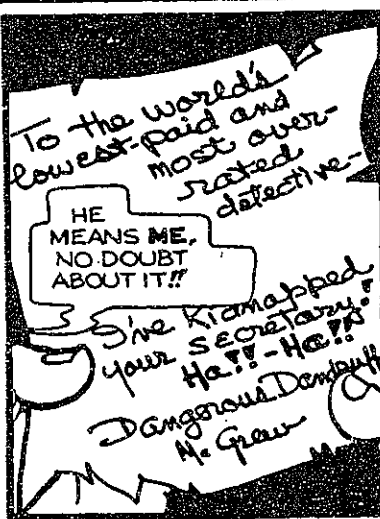
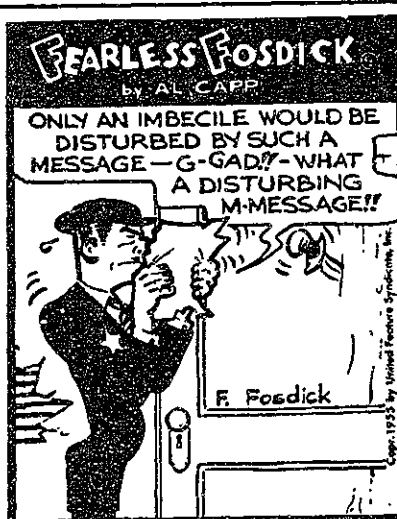
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# Class Day Crew Race Set For Saturday A.M. Along Charles River

Continuing a tradition dating back to 1922 five crews will race a mile and five tenths Saturday at 11:00 a.m. in the annual Class Day Race. Each of the upperclasses will be represented in the event. The sophomores and juniors will send out two crews each, one heavyweight and one lightweight, while the seniors will launch a combined boat.

The sophomore heavyweight boat is favored. As freshmen, the crew compiled an impressive record. The boat is bigger and stronger than any of the other entries. The sophs must have an off day, finesse-wise, if the race is not to develop into a runaway.

The senior boat rates second on experience. Last year they were favored but rough water ruined their high stroke effort and they finished last. The other crews are both a peg below the seniors.

The start of the course is in front of the Sloane Building and the finish is in front of the MIT boathouse, just below Cottage Farm Bridge. The distance raced will be the longest in years.

# Rocket Research Society Extracts Facts And Data From Test Jets; Automatic Control Instruments Help

Unique is the word which most aptly describes the program of the Rocket Research Society here at MIT. It is unique because it is the only private (non-governmental and non-industrial) organization which is equipped and currently performing rocket research.

The Society has a well equipped laboratory located in Room 2-025. Attracting immediate attention as one enters is the test cell. It is approximately ten feet long by eight feet wide by seven feet high and is constructed entirely of one inch thick steel armor plate. Inside the cell is a new test stand which has just been constructed by the members. This stand serves as the mount for the rocket and embodies several valves and switching solenoids which control the supply of fuels to the rocket. Much of the instrumentation apparatus is also mounted on this test stand. The instrumentation apparatus consists of such items as strain gauges to measure thrusts, pressure gauges to measure chamber pressures, and a flow meter to check fuel. This information, together with various other data, is necessary for determination of the efficiency of com-

bustion of the rocket fuel under experimentation.

When assembled, the type of rocket used in these experiments is approximately two inches in diameter by six inches long. It consists of three main parts; (1) the injector, (2) the combustion chamber, and (3) the nozzle. The fuels, alcohol and liquid or gaseous oxygen, are fed into the injector separately. Here they are thoroughly mixed and then passed into the combustion chamber where they are ignited. During combustion, temperature in the chamber is approximately 5000° F; therefore in order to prevent self-destruction the rocket is cooled by a water jacket with pressures of 100 psi. From the combustion chamber the expanding gases pass out through the nozzle as exhaust. The velocity of these exhaust gases is often as high as 7000 feet per second. (For comparison, the muzzle velocity of a .22 caliber long rifle cartridge is 1100 feet per second.) Test runs with the rocket usually last from five to 75 seconds, although the time of the run is limited only by the fuel supply and the amount of combustion the rocket can withstand without "burning out".

To operate these test runs by remote control the Society has constructed a control panel with 17 electrical relays, a pressure recorder, an

air pressure gauge, a water gauge, a fuel supply gauge, and various other indicators. The electrical relays are coordinated with a lighting system on the control panel and control the firing sequence of the rocket test runs. This type of a control eliminates all human errors in this respect and reduces the possibility of accident due to misfiring.

The Society, which numbers about 35 active members, has planned a program which will make full use of all its facilities. Some of the projects under consideration are:

- (1) Determination of a more accurate method for measuring chamber temperature (Present accuracy of measurement is about  $\pm 200^\circ$  F.)
- (2) Fuels research.
- (3) Reduction of the noise level of rockets.
- (4) Design of a flight simulator for use in determining the components of thrust. This would lead to more accurate predictions of trajectory.

The requirements for membership in the Society are simply that one be a student or alumnus of an accredited technical school, and that one have a keen interest in rocket research. (Any inquiries should be directed to Mr. James Keith, Baker House, Room 223.

# N.E. Cross Country

Seventeen top New England cross-country teams, including the defending champion Massachusetts Institute of Technology, will take to the green hills of Franklin Park in Boston on next Monday afternoon in the 43rd annual run of the New England Intercollegiate Amateur Athletic Association. The freshmen harriers will toe the starting line at 1:45 with the varsity following at 2:15.

Emerging as standout choices following a long season of lesser competitions leading up to the N.E.I.C.A.A. championship meet are five strong harrier squads. These are the University of Maine, winner of last Saturday's Yankee Conference title; the University of Connecticut, Yankee Conference runner-up; the University of Massachusetts, recent Connecticut Valley winner; Providence College; and MIT.

The Tech squad, which lost but two members of last year's top New England team, has been placed in a challenging category despite a mediocre record previous to this meet. Showing continuous improvement in a belated rush to the form it held a year ago, the Beaver harriers are expected to reach both their physical and mental peaks for this race, the "big" one for which they have been pointing all season long under the guidance of their wily coach Oscar Hedlund. Captained by Ray Smith '56, one of the area's top runners, a squad composed of Dave Vaughan '57, Pete Carberry '57, Jack Buell '56, Walt Kukes '56, Bob Solenberger '57, and Ed Carter '58 will carry the Tech colors into battle in a strong bid to retain possession of the peak position among New England harrier teams.

Eight of the first nine finishers in last year's run will be returning in a star-studded field. Boston University's George Terry, defending individual champ will receive strong competition from the other seven returnees including Tech's Smith, along with newcomers Bob Hanlon of Providence, Jack Fawcett of Tufts and Lew Stieglitz of Connecticut.

## VOODOO

The Senior Board of VooDoo wishes to announce that VooDoo will be published from November to June during the 1955-56 school year, rather than from October to May. Therefore, the November issue of the magazine is the first of the school year.

## DURGIN-PARK

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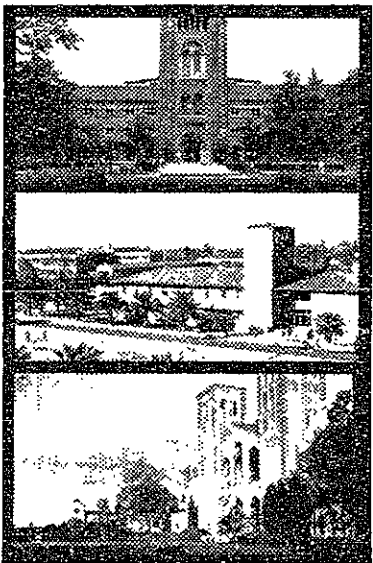
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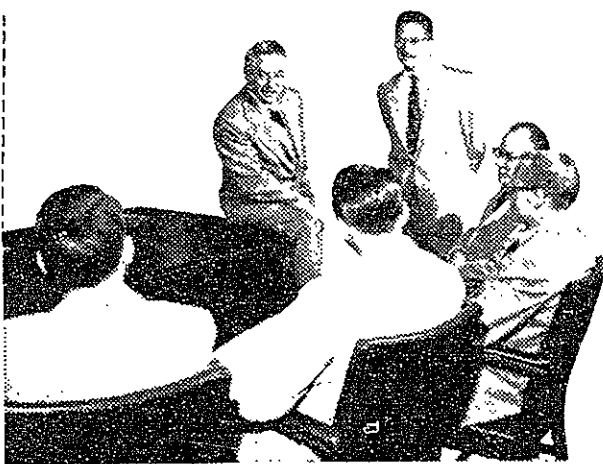
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(Above) Dr. Lee DuBridge  
(center), President, Calif.  
Inst. Tech., greets  
Hughes Fellows with  
Dr. A. V. Haef (standing),  
Hughes Vice-President.

OFFICE OF SCIENTIFIC STAFF RELATIONS



### Corley

(Continued from page 1)

vision. At approximately this time he married Sally. Shortly thereafter, he was transferred and shipped to Iceland where he spent the remainder of his period in service—29 months.

In Iceland he directed the division band which played a full schedule of concerts for troops all over the island. He also established monthly civilian concerts which would often feature local soloists. These civilian programs were immensely popular, and won for John many citations, as well as the affection and respect of the Icelanders. While in Iceland he continued to work on arrangements and transcriptions,

### Sophomore Football

(Continued from page 4)

turn to the gridiron for Saturday's game. John McCarty scored the first touchdown on an eighteen-yard drive up the middle, and Kipp followed by moving the ball down field on end runs, culminating his drives with a thirty-yard smash up the middle that added six more to the soph's score. Not to be forgotten are Schmidt, Boynton, Holland, Goldberg, and Irwin who were opening the holes for the backs to go through.

The win against Tabor definitely has not had adverse affects; the sophs have not developed a confident attitude, but rather have realized the mistakes they made in that game, and they have concentrated these last two weeks to correct those mistakes. One of their biggest failings was their down field blocking, which they seem to have straightened out. They have also stressed their pass defense, which was fairly poor against Tabor.

Surprisingly enough, a final boost has been added by the change back to Standard time. There is nothing that can possibly unify a group better than undergoing hardships together, i. e., getting up for 6:30 practices.

With 15 returning men and the same two co-captains, Dan Holland and John Kipp, the team is basically the same as last year's Freshman squad, but in ability and drive they far surpass that group. Regardless of the outcome, we can be sure that each man of the sophomore squad will be giving his utmost in this year's interclass struggle.

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R. Stanley Brown, Mgr. Dir.

in addition to forming and directing a brass choir.

In June, 1946, he was discharged from the army. At this time he won his second full scholarship to Tangiwood, but again he chose not to accept it, in order that he might spend the summer working towards his degree. During the school year 1946-47, while studying at B.U., he accepted the post of assistant band director in Medford. He also resumed his brass ensemble playing and his arranging.

John received his bachelors degree in music from B.U. in June, 1947. In September of the same year he assumed the position in Brookline which he holds today. In the fall of 1948, John Corley received a letter from a Professor Klaus Liepmann, director of music at the Massachusetts Institute of Technology, requesting a meeting between the two of them.

Next: *Eight Years and Tomorrow*

### Freshman Football

(Continued from page 4)

quarter. The Frosh defense held up well against Thayer and held them to a scoreless tie.

In their second game of the year the Frosh lost to Middlesex School by a nineteen to fourteen score, but they played with more confidence and didn't make as many costly mistakes. Boyd broke loose off tackle for a spectacular run from his own thirty-five yard line in the first quarter to score and late in the fourth quarter two excellent pass plays from halfback Al Beard to Earnie Matton and from Human to Beard for thirty-five yards and a touchdown.

All in all, the Frosh-Soph football game should be a close match and as coach Harry Flagg '57 commented "Watch out, '58, '59 can and WILL win."

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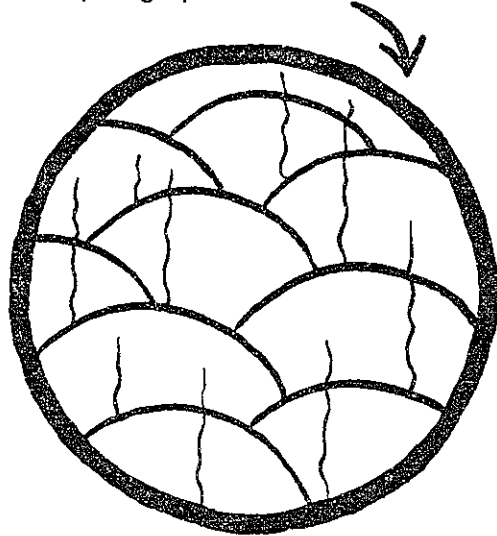
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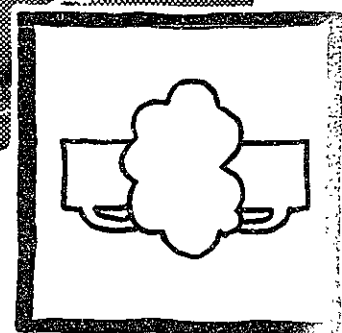
YOU ALWAYS COME OUT ON TOP when you light up a Lucky, because Luckies are tops for taste. Luckies taste better because Lucky Strike means fine tobacco . . . mild, mellow tobacco that's *toasted* to taste even better. The men in the Droodle above have *come out on top*, too—in more ways than one. The Droodle is titled: Convention of baldheaded men smoking Luckies. Follow their shining example: light up a Lucky yourself. You'll say it's the best-tasting cigarette you ever smoked!

DROODLES, Copyright 1953 by Roger Price

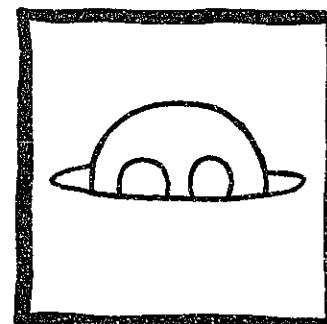
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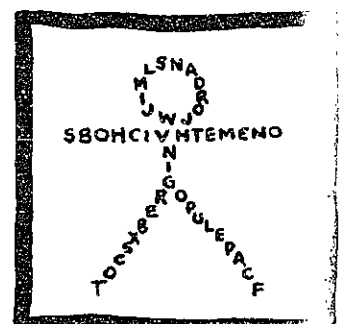
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