

THE TECH

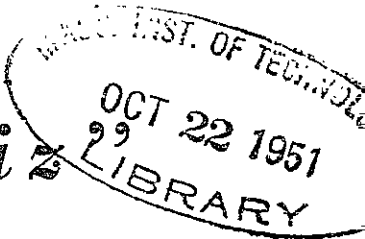


CAMBRIDGE, MASS.
FRIDAY, OCT. 19, 1951
PRICE FIVE CENTS
VOL. LXXI NO. 36

THE OFFICIAL NEWSPAPER
OF THE M.I.T. UNDERGRADUATES

This is an ordinary

"Gee Whizz"
Issue



Pre-Field Day Rally Tonight, Sophs Raise Mugs Together

The traditional pre-Field Day rally of the Sophomores will be held tonight in Rockwell Cage from 8:00 to 12:00 p.m. While there are no plans to have freshmen drawn and quartered at the affair, David Vogel, president of the class, has lined up entertainment befitting the mood of the Sophs as they prepare for the interclass struggle. Plenty of beer will be on hand.

Cokes, potato chips, and pretzels will also be served. Group singing, stunts by the Q-club and the presence of the class of 1954 coeds will add to the evening's levity.

Admission to the Mug Lift is \$.99 with tickets purchasable in the lobby of Building Ten or at the door. Stag Sophomores or those with dates are both welcome. So far, the committee has reported a good advance sale of tickets for the party.

Old Lever House To Be Remodeled For Sloan School

Remodeling of the Sloan Building, formerly Lever House, will begin November 1st. Government authorization for all materials needed has been received and Mr. Robert M. Kimball, Executive Assistant to the President, expects the building to be ready for use at the beginning of the spring term.

The building, purchased by the Alfred P. Sloan Foundation for the new School of Industrial Management, will also house the Department of Economics, the Division of Industrial Cooperation, the Dewey Library, and the new Faculty Club headquarters. Course XV, Business Administration, as it will be incorporated into the new Industrial Management School, will also be located in the Sloan building.

As the building was designed for the central office of the Lever Brothers Co., in the United States, it is largely unpartitioned open space. Present plans call for small offices to be built all around the periphery of the floor space. The interior, artificially lighted space will be devoted to "project areas"—rooms for seminars, and research programs. Mr. Kimball swears that the "research areas" will be well lighted. The whole building is air conditioned.

The School of Industrial Management will be located on the fourth floor and part of the fifth. The Division of Industrial Cooperation will have the rest of the fifth floor. The Dewey Library will take two thirds of the third floor with the economics department taking the remainder of the third and the second floor.

The west side of the first floor
(Continued on Page 4)

Photographs Help Booklet Describe Course XVII

Booklets describing Course XVII were recently released by Professor W. C. Voss, head of the Department of Building Engineering and Construction. Aspects of building design construction, and management as they are dealt with in this course both on the undergraduate and graduate level are shown. Throughout the leaflet are photographs of constructions in progress at the Institute.

Students interested in the booklet are invited to obtain it at Departmental Headquarters, Room 7-221.

Elections Nov. 6 Seniors, Juniors And Sophomores

Elections Committee has announced that fall elections will be held this year, as usual, for the following offices.

Ten seniors will have their last chance at holding elected offices as the class of 1952 elects its Senior Week Committee. The Juniors are scheduled to elect one member of their class to the chairmanship of the Senior Ring Committee, and the Sophomores will elect five of their number to the Junior Prom Committee.

All students are reminded that it is necessary to show their registration card when voting. Absentee Ballots must be requested by October 30.

Nomination petitions for any of the above offices are available from the Institute Committee office; they must be completed and returned by 1:00 p.m., Wednesday, October 31.

Field Day Radio Show

WMIT will present Spotlight On Sports, this coming Wednesday night, October 24. It will be a one-hour show starting at 9:30 p.m. and will feature several Institute sports celebrities. The theme of the show is this year's field day.

Tug-O-War

In preparation for Field Day there will be a tug-of-war rally for the Sophomores at 5:00 p.m. on Wednesday, October 24, in Briggs Field House. The coaches in charge are Merwin Blum and John Savoca.

Gelett Burgess Passes On; Creator Of 'Purple Cow'

By ED EIGEL

Probably very few of the many who have trudged through the halls of Tech since its beginning have ever seen a purple cow. Yet, only one of these thousands of students and alumni have ever thought to write this fact down on paper. His name was Frank Gelett Burgess.

Born here in Boston in 1866, Gelett Burgess is only one of the many graduates of the Institute who have achieved renown as writers. However, his name, minus the Frank, is undoubtedly the best known from this group. Because of his Goops and his purple cow, he has acquired a place in literary history.

Pulls Down Statue

After receiving his B.S. degree from the Institute in 1887, Gelett Burgess was for three years a draftsman with the Southern Pacific Railroad. In 1890, he took a job as instructor in topographical drawing at the University of California. However, he left this institution three years later as a result of an incident in which he took part, and which involved the pulling-down of a cast iron statue of Dr. Cogswell, which Burgess had always regarded as one of the aesthetic scandals of San Francisco.

At this point in his life, Burgess became interested in the literary aspects of our world, and was for

Brad Kent's Music Will Be Featured At Halloween Ball

Witches and Pumpkins To Adorn Morss Hall For Annual Dance

The annual Halloween Ball will be held on Saturday, October 20, in Morss Hall at 8:00 p.m. This affair, biggest social event sponsored by the 5:15 Club, has been planned to provide more entertainment this year than before. Brad Kent and his orchestra have been signed to provide music for the limbs of the typical Tech man.

For those who may consider it less expensive laissez faire and more a la mode, the club has invited over 400 girls from several colleges in this area. Entertainment during intermission and refreshments will be provided, and skeletons, witches, corn stocks, and pumpkins will adorn the Hall.

Tickets are now on sale in the lobby of Building 10 at \$1.20 per person, tax included. Tickets may also be obtained from any member of the 5:15 Club and at the door during the night of the Ball.

JUNIOR PROM OPTIONS

Options for the Junior Prom weekend will go on sale Monday in the lobby of Building 10. Priced at \$3.00, they will reserve a weekend ticket. Tickets for the full weekend will be available about Nov. 5 for \$8.80, and there will be a few split tickets available at \$7.00 for the Friday evening festivities and at \$3.00 for Saturday evening affairs.

Tentative seating arrangements will be made up on the basis of option sales, and those wishing to share tables or groups of tables are urged to buy their options early.

a year associate editor of a small magazine called Wave. In 1895, he became an editor of a similar venture known as the Lark. It was in the first issue of this magazine that the now famous lines beginning, "I never saw a purple cow . . ." first appeared. Burgess often wrote the entire copy for an issue of the Lark, from the cover design to the advertisements.

Goops Appear

In 1897, Gelett Burgess published the first of his books, "Vivette." Three years later, he wrote "Goops and How to be Them." Goops were a queer race of ill-behaved children, whose atrocious manners were warnings to youngsters in real life. The Goops became so popular that Burgess published two sequels to the original, "More Goops" in 1903, and "The Goop Encyclopedia" in 1918. All of these books were in the form of short verses.

Since the beginning of the twentieth century, Burgess has written many books on varied topics. His "Two O'Clock Courage" was the first of several detective stories. One of his most popular works other than the Goops was "Are You a Bromide?" 1907, which dealt a healthy blow against "chestnuts" and platitudes. His "Burgess Unabridged" contributed many of his

(Continued on Page 2)

New Tech Show Now Rehearsing Song, Script; Name Has Yet To Come

With three rehearsals a week to get the cast and chorus in its usual excellent shape, this year's Tech Show is well on its way. It will be presented on the evenings of December 7 and 8 at the Cambridge High and Latin School.

The story has been written and the music is nearing completion, but according to Doug Haven, general manager of the show, the title is still under consideration.

This year's show has a Bostonian setting and concerns a caveman in a local museum who suddenly comes to life. At least that's what Smiling Jack Jackson, big-time publicity man, wants the public to think.

New Combustion Lab. To Research Ram Jets With Running Tests

By WILLIAM T. KNIESNER

Ram jets capable of speeds up to two and six-tenths times the speed of sound, ductive rockets, and fuel mixtures will undergo research in the new Combustion Research Laboratory now under construction. This new laboratory will be directed by Professors Hoyt C. Hottel and Glenn C. Williams of the Chemical Engineering Department's Fuels Research Laboratory.

Started a month ago, construction of a third floor, on the west wing of the Sloan Laboratory building, will house the new laboratory, which will also contain portions of the second and ground floors. This construction, costing \$180,000, is expected to be completed by January and actual operation should be in full swing six to eight months from now. The Navy is furnishing \$350,000 for the necessary equipment and facilities.

Basic Combustion Research

Basic combustion research will be the function of the third floor laboratory. Here such problems as flame stabilization in fuel spray mixtures, vaporization of fuels in air, and combustion in a three dimensional vortex will come in for study. The latter involves the injection of fuel in a whirlpool of air to get a high rate of combustion in a small space.

These experiments will be conducted in eight soundproof test cells, because the typical combustion chamber, one by three by fifteen inches, produces objectionable noise. Two of these cells are designed to deaden a noise up to 125 decibels, roughly equivalent to that of an aircraft engine only inches away from one's ear. In any case, no noise will be heard by the passer-by. Acoustical consultants for this job is the firm of Bolt, Beranek, and Newman. These experiments may be controlled by a spectator watching through a glass window in the soundproof paneling.

Rocket Research Anticipated

Research will also be conducted on ductive rockets, used to boost a ram jet up to one and four-tenths the speed of sound, this speed being necessary so that the ram jet can begin to operate using the compressed air generated by its forward motion.

Actual running conditions will be simulated for the testing of the two ram jets. These engines are used mainly for guided missiles. The larger, ten inches in diameter, will be operated only at sea level

Jackson will stop at nothing to make a buck, and plans to have the caveman wrestling in the big arenas, playing golf matches with his club, and judging beauty contests, not to mention his escapades with the other sex. However, due to the action of a mad M.I.T. scientist, unforeseen complications arise and Smiling Jack finds himself with more than he can handle.

George Marcou returns to Tech Show as the caveman and Jean Thomas, last year's Queen Yasmum, comes with him. Pete Noonan plays Smiling Jack, and the cast includes Sally Arnold, Myna Nickel, Mike Chivers, and J. P. Benkhard.

Pete Leavitt wrote the show and Nat Levine is putting the final touches on the music. Doug Haven is general manager and director; Paul Lux, business manager; and Bob Esch, production manager. Professor William Greene and Brewster Denny are again the faculty advisors.

This year, Tech Show has changed places on the social calendar with Techs-a-Poppin. Presenting the show near the end of the first term has eliminated the hurried spring schedule of former years, when the show was presented in the busy month of March.

Inst. Prof's Book On Life Of Wilson's Sect'y Gets Nation Wide Notice

Joseph Tumulty, President Woodrow Wilson's secretary, is said to have played a significant part in the puzzle of how a "shy, scholarly professor" became President of the United States through the "brawling, compromising, conciliating process of American politics." "Joe Tumulty and The Wilson Era," by Professor John M. Blum of the History Department, is a biography of Tumulty with emphasis upon his role as Wilson's secretary. Again in the words of the publishers, the "devoted, charming, indefatigable Joseph Tumulty" did, among other things, devise publicity campaigns and also won the support of the press.

Mr. John M. Blum, always interested in politics, is on the staff of the Institute as Assistant Professor of History and Associate Editor of "The Letters of Theodore Roosevelt." Born in 1921 in New York City, Professor Blum attended Andover and graduated from Harvard summa cum laude in 1943. He served on an anti-submarine vessel during the war and also worked in the Office of the Chief of Naval Operations. He then returned to Harvard for his M.A. and Ph.D. in American History.

Published last July, the book took four years of part-time work and one whole year of consistent writing before it was completed. In writing this book Mr. Blum was the first person to have free access to Tumulty's papers. He also used unpublished documents of the Wilson Era in his research.

The Tech

VOL. LXXI FRIDAY, OCTOBER 19, 1951 NO. 36

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 Telephone: KI rkland 7-1881
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 Mail Subscription \$3.75 per year, \$6.00 for two years.
 Published every Tuesday and Friday during college year, except during college vacation, under the Act of March 31, 1879.
 Represented for national advertising by National Advertising Service, Inc., College Publishers Representative, 420 Madison Ave., New York, N. Y.

Night Editor: Edwin Eigel, '54

A STUDENT ASSEMBLY—A REORGANIZATION OF UNDERGRADUATE GOVERNMENT

If there was any doubt that it is high time for a change in the student government setup at the Institute, it should have been dispelled by the most recent meeting of the Institute Committee during which twenty minutes were spent discussing a question which should not have been brought up at all. As currently constituted, this body is ineffective, bogged down with details, and incapable of commanding the interest of one-tenth of the student body.

The concept of the Committee as a collection of interest groups as represented by the various activities is one cause of its present floundering. The committee should rightly have one interest—that of the students—and should be responsible to this interest on a full-time basis. If the activities are not at each other's throats, then routine regulation with regard to dates of functions, finances, etc., can be properly left up to various service groups such as the Walker Memorial Committee. If at the other extreme a crisis occurs among activities, then the problem becomes a legitimate undergraduate grievance, to be approached from the overall point of view of what is best for the students.

Furthermore, the Institute sorely needs a student group whose chief function is to advise the Administration on student opinion and needs, and to point up flaws in the Institute's structure. Not half enough time was spent last spring in fact-finding and reasoned judgement on the Administration's proposals for campus living. Institute Committee knew, or should have known, what problems the Institute faced in this regard and what proposed solutions were in the wind. It should have investigated. It knows now that the parking situation is still a long way from a satisfactory solution. It should investigate. Implicit in such action should be a crystallization of student opinion in a permanent form and a presentation of all facts in their proper relations. Investigations need not be militantly derogative affairs.

To undertake these necessary functions, the Institute Committee must annul its marriage with the various campus activities. It must stop burdening itself with the detail of regulating activities. It must stop drawing its membership from already overworked activity leaders.

To make itself responsible to the students, to command their interest, and to effectively advise the Administration, the Institute Committee should reorganize itself into a Student Assembly with approximately fifty members, all elected and representing equally the four classes and three living groups. An appropriately chosen Executive Committee would maintain the continuity of the larger group and would coordinate the work of the various service groups. With the Assembly members all directly responsible to specific constituents, some dent might be made in the Herculean task of overcoming students' apathy and of generating among students a genuine interest in the Institute community. This so-called "broadening of the base" of undergraduate life cannot be accomplished by mere reorganization, however. Assembly members must be responsible in fact as well as in theory. They must discuss student needs, bring these needs before the Assembly, and bring back the results of the Assembly's fact-finding. In short, the present emphasis on regulation must be replaced with the philosophy of service to the student and the school.

CONFERENCE AFTERMATH

Two weeks ago the first annual leadership conference was held at Swampscott. Thirty-five members of Institute Committee met and pooled their ideas on what student government should be and how it should operate at Technology. While none of the views presented at the meeting were new, they gave a background of opinion that should prove of great value to the Student Government Investigating Committee in the weeks to come.

Unfortunately, the phase of the conference that dealt with leadership will be of value only to those few who attended. Next year the conference should be held on Institute grounds so that outstanding Sophomores and Juniors, the men who would benefit most from discussions on leadership, will be able to attend.

AFTER HOURS

DANCES

FRIDAY, OCTOBER 19
Newton-Wellesley Hospital—The student nurses want you to visit them tonight at their first dance of the year. It's a Record Hop, and will begin at 8. The hall is located at 2014 Washington Street, practically on the Wellesley campus.
Lesley—The Hotel Commander should be hopping with activity tonight, these gals usually draw quite a crowd. Last year the "fellas up the river" dominated the dance floor, so let's get going. The invitations can be obtained at East Campus, but if they're gone go anyhow and tell Shirley Warren what happened.
Lasell—The popular Winslow Hall will open its doors again at 8 sharp. The gals here are setting quite a pace with their dances, and many Technicians will join the race when they find the odds O.K.

SATURDAY, OCTOBER 20
M.I.T.—There's plenty of fun in store for all who attend the annual Halloween Ball sponsored by the 5:15 Club here in Morse Hall. Brad Kent will supply the music, to a setting of cornstalks, witches, balloons and the usual decorations. The cider and other refreshments will also supplement the entertainment featured at intermission time. (\$1.20)
Boston College—The B.U. chapter of the National Student Association is holding a Fall Acquaintance Dance at the new auditorium, and wants Boston to be well represented. Bob Gately will "make with the music," and the evening begins at 8. (\$1.00)
University Club—Once again the Inter-collegiate Club is importing gals for you, and providing a place to take them. Their first dance a few weeks back was well attended, so be there at 8:30 and take your pick.

THEATER

Stage
COLONIAL—"Darkness at Noon." A powerful drama about an old Bolshevik condemned by the regime which he had fanatically served, this play features Edward G. Robinson. It begins Monday, and will run for two weeks only, so get tickets now.
NOTE: Beginning this week, we'll only cover the newest plays in town, and not those already running. If you don't like the idea, please write.
Screen
METROPOLITAN—"A Place in the Sun." An unusual love triangle and some good acting have brought this

(Continued on Page 4)

Burgess

(Continued from Page 1)

neologisms, which he coined for special emergencies, to our language. "Blurb," as an example, has found its way into the dictionary, and means self-praise, to make a noise like a publisher.

Prints on Wallpaper

Even after some of his books had been published, Burgess continued to dabble in other means of expressing himself. He joined the editorial staff of the magazine *Ridgeway's* in 1906. With Porter Garnett, he edited *Le Petit Journal des Refusees*, every copy of which was printed on a different pattern of wallpaper.

Despite all these varied undertakings, Gelett Burgess is known for two things, his Goops and the purple cow. This ill-hued bovine

in particular was so associated with his name that he could go nowhere without it following in his footsteps. He grew to hate the creature, and years after its appearance, he wrote a sequel to the famous quatrain threatening instant death to anyone who dared quote it to him.

Although people have stopped reading his works as much as they once did, Gelett Burgess, until his death three weeks ago, was one of our best-loved humorists. His life points out at least one significant fact: If you have a degree in Civil Engineering and have never seen a purple cow, the world of literature could well be your field of labor.

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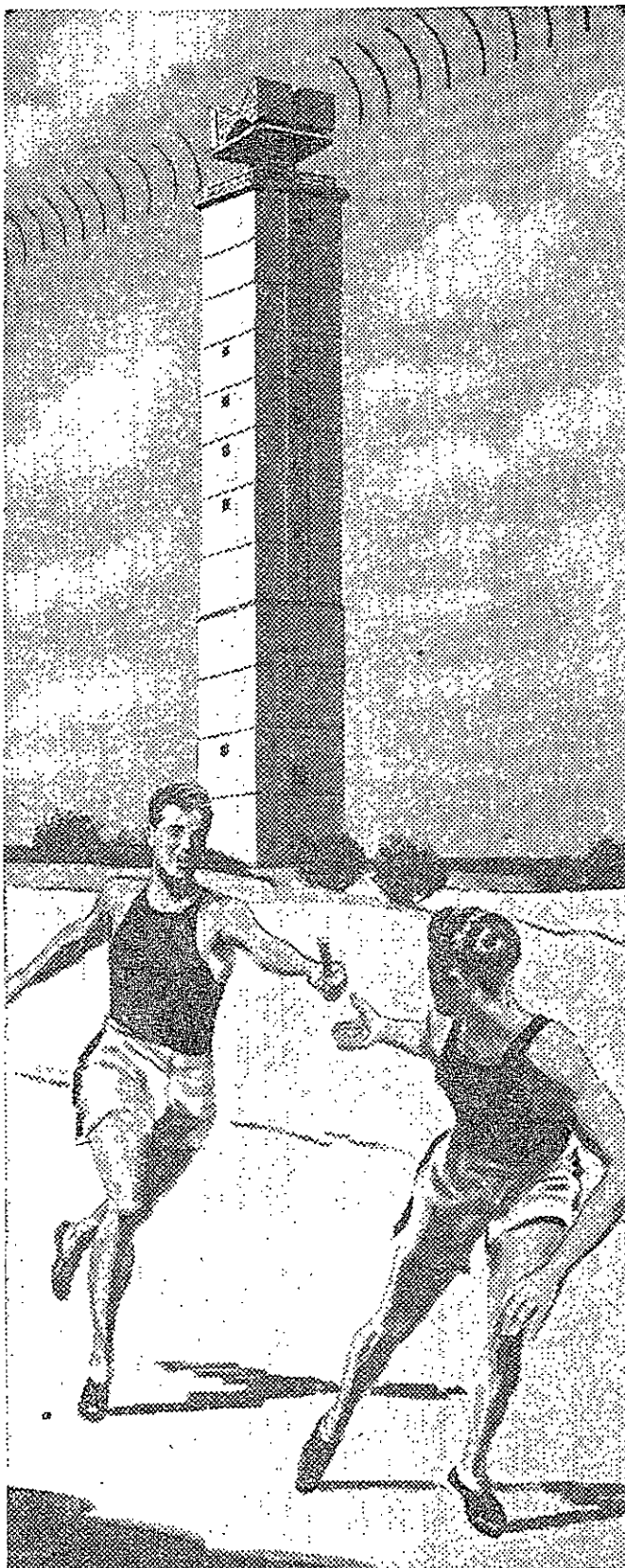
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ALL ARE WELCOME



EAST MEETS WEST IN NEW RELAY EVENT

You've heard of the Penn Relays. But have you ever heard of a relay where the hurdles are mountains, the average stride is thirty miles, and the track stretches coast to coast?

It's the Bell System's *Radio-Relay* and it brings East and West together in one of the most important events in the history of communications.

Telephone construction crews have just recently completed the coast-to-coast *Radio-Relay* system. Today, Long Distance calls ride on radio microwaves, beamed through the air from tower to tower. And, for the first time, television programs have been flashed from coast to coast.

The new system supplements the thousands of miles of wire cable that already tie the nation together. It helps make America's vast communications network even stronger and more flexible. And it could hardly happen at a better time. The demands of defense are heavy and urgent.

HOW Radio-Relay WORKS. Microwaves travel in a straight line. So relay towers are usually built on hilltops and spaced about thirty miles apart. Just as a runner picks up the baton from another runner, so each tower picks up microwaves from its neighbor, and with complex electronic equipment amplifies and focuses them like a searchlight, then beams them accurately at the next tower. And hundreds of Long Distance calls ride the beam at the same time.

BELL TELEPHONE SYSTEM



Intramural Football Highlights Sketch

Baker House, Theta Delta Chi, SAE, and Theta Chi remain undefeated as the double elimination football tournament has had 20 of its 32 teams eliminated. Each of these four squads won important games Sunday afternoon.

Sparked by Ted Uhler, Gino Scal-amandre, and Don Tarinelli, Baker House romped over Kappa Sigma 19-0 to remain undefeated and un-scored-upon and thus they took a commanding lead in the League One race, as Uhler scored two touchdowns on pass receptions.

Delta Chi Wins

Mike Nacey and Bob Barlow collaborated on a fine passing attack to give Theta Delta Chi a 26-7 victory over previously undefeated

Alpha Tau Omega as Barlow received three touchdown passes to run his individual point total to 56, high in IM football this year. ATO was without much of their powerful team which had won an overtime thriller from Sigma Nu the previous week.

Sigma Alpha Epsilon continued its unopposed romp in the third league as they bumped off DU 24-8, with speedsters Bill Muser and Hank Hohorst receiving the passes of Ev Chambers in leading the team to its third straight lopsided victory, while Cliff Rounds starred for the losers in defeat. SAE with 82 points leads in team scoring, and is closely followed by Theta Delta Chi with 80 and Baker House with 78.

In the most thrilling game of the week, Theta Chi's Big Red won an overtime game from a Delta Kappa Epsilon squad which had led 13-0 with four minutes to play. With Ed Shea and Tex Hinck in the van, the Dekes were on their way to victory when one of their punts was blocked.

From then on Theta Chi's ace halfback Pete Conlin was the big gun as he threw to Bill Teeple for a score, and, with a minute to go, passing and running against time, he tied the score with a long pass to Bob Danforth as the clock showed only ten seconds remaining. In the second period of the overtime Conlin ran over for the winning score after Danforth intercepted a pass. The loser's line, led by Jerry Carpenter and Dan del Rio, was outstanding.

After an opening game loss, Phi Delta Theta roared back to take three consecutive victories without having their goal line crossed. Sigma Nu's high-scoring squad has three wins and challenges Theta Delta Chi and ATO in league 2.

Tech Varsity Sailors Take 2 Trophies; Frosh Win

By ED MELAIKA

The Technology sailors successfully defended the Danmark Trophy in a two-day International-Intersectional regatta held on the Thames with the Coast Guard Academy as host club. Cornell, Navy, and Webb were entries from the Middle Atlantic District and McGill of Canada provided the international angle.

With Navy and Tufts taking an early lead Jake Kerwin, Larry Buckland, Ed Melaiika, and John Rieman faced an uphill fight up to the final races. Jake Kerwin's sailing not only gained him top honors in his division but won the trophy for M.I.T. Coast Guard finished a surprise second, with Tufts dropping to third, and favored Harvard taking fourth.

The final scores were:

1. M.I.T. 235, 2. Coast Guard 224, 3. Tufts 220, 4. Harvard 212, 5. Navy 210, 6. Dartmouth 194, 7. Cornell 168, 8. Brown 159, 9. Webb 145, 10. Yale 139, 11. McGill 132, 12. Williams 109.

The M.I.T. sailors won the 22nd semi-annual Greater Boston Dinghy Championship for the Oberg Trophy which was sailed on the Charles on Columbus Day. Milt Almquist, Ed Melaiika, and Larry Buckland made this the fifteenth consecutive triumph in the Oberg Trophy competition. Harvard, determined to end the streak, led the Greater Boston schools up to the last two races when M.I.T. surged ahead to win.

The freshmen sailors qualified for the New England Championships by winning their elimination series held last Sunday at the Tufts Yacht Club. Ted Garcia and Alain de Berc, and Steve Loring and Gerry Hare amassed a total of 77 points against 60 points scored by second-place Dartmouth. Northeastern scored 55, Worcester Polytechnical, 48; Holy Cross, 46; and Boston University, 34. Dartmouth and Northeastern also qualified for the championships which are to be held at M.I.T. on October 27-28.

INTRAMURAL SCHED.

League One

Baker House 27—Alpha Epsilon Pi 0
Kappa Sigma 13—East Campus 0
Sigma Chi (forfeit) 1—Phi Sigma Kappa 0
Phi Delta Theta 13—Delta Tau Delta 0
Phi Delta Theta 18—Sigma Chi 0
East Campus (forf.) 1—Alpha Epsilon Pi 0
Baker House 19—Kappa Sigma 0
Phi Delta Theta (forf.) 1—East Campus 0

League Two

Theta Delta Chi 40—Walker 7
Alpha Tau Omega 1—Sigma Nu 0
Phi Kappa Sigma 14—Chi Phi 0
Theta Xi (forfeit) 1—Phi Kappa 0
Phi Kappa Sigma 14—Theta Xi 0
Sigma Nu 30—Walker 0
Theta Delta Chi 26—Alpha Tau Omega 7
Sigma Nu 14—Phi Kappa Sigma 6

League Three

Sigma Alpha Epsilon 38—Phi Gamma Delta 0
Delta Upsilon 13—Pegis Club 12
Westgate (forfeit) 1—Lambda Phi 0
Delta Psi 6—Sigma Alpha Mu 0
Delta Psi 13—Westgate 12
Phi Gamma Delta 12—Pegis Club 0
Sigma Alpha Epsilon 24—Delta Upsilon 8
Phi Gamma Delta 20—Delta Psi 0

League Four

Delta Kappa Epsilon 19—Beta Theta Pi 6
Theta Chi 12—Student House 0
Lambda Chi Alpha 12—Phi Mu Delta 6
Lenox Club 12—Phi Beta Epsilon 0
Lambda Chi Alpha 2—Lenox Club 0
Beta Theta Pi 7—Student House 6
Theta Chi 19—Delta Kappa Epsilon 13
Lambda Chi Alpha (f.) 1—Beta Theta Pi 0

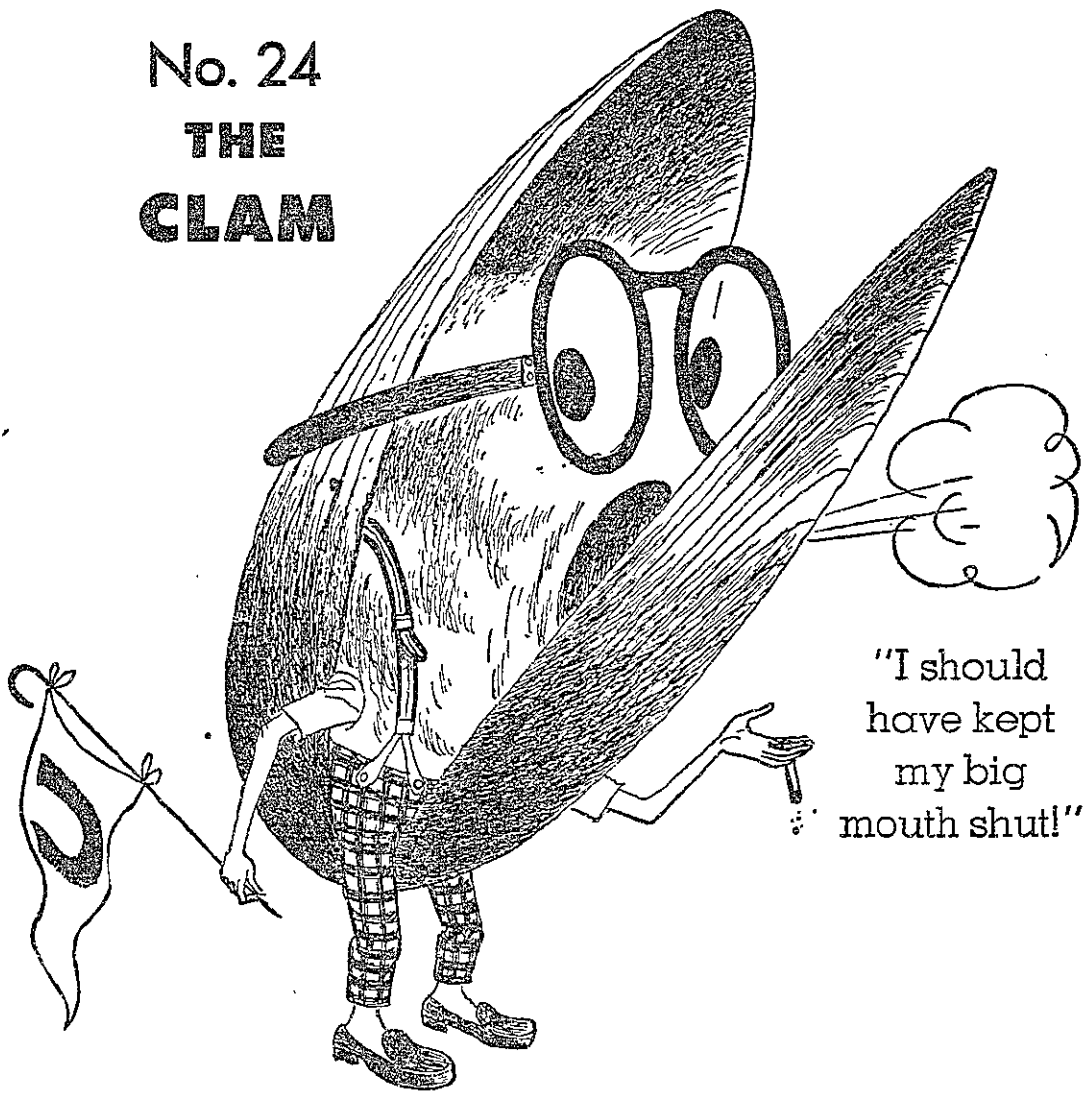
Saturday, October 20—2:00 p.m.

League 1—Kappa Sigma vs. Phi Delta Theta
League 2—Alpha Tau Omega vs. Sigma Nu
League 3—Delta Upsilon vs. Phi Gamma Delta
League 4—Delta Kappa Epsilon vs. Lambda Chi Alpha
No games Sunday, October 21st.

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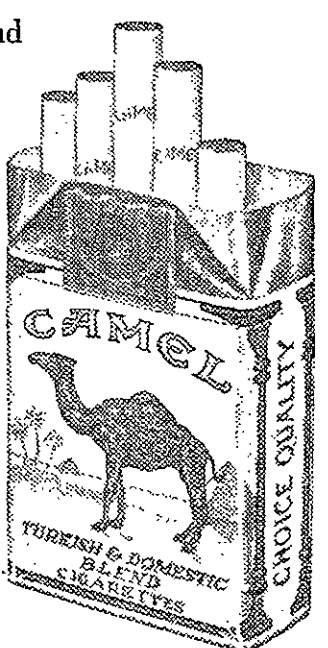
Campus Interviews on Cigarette Tests

No. 24
THE
CLAM



Fresh out of Bivalve, N. J., he arrived on the campus all bug-eyed and his big mouth hanging open. He was immediately sucked into a "shell game" and found himself making all the quick-trick cigarette tests. But his native instinct told him that such an important item as cigarette mildness couldn't be tossed off lightly. Millions of smokers everywhere have discovered, too, that there's but one true test of mildness.

It's the sensible test... the 30-Day Camel Mildness Test, which simply asks you to try Camels as your steady smoke... on a pack-after-pack basis. No snap judgments! Once you've tried Camels for 30 days in your "T-Zone" (T for Throat, T for Taste), you'll see why...



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LO 6-9360

Freshmen Elect Representatives To Class Council

During the week of October 8, the class of 1955 held elections for section leaders in the rooms of the graphics department. The first freshman council meeting will be held in the Moore Room on the third floor of Building Six. Two sections have not yet held elections. The following freshmen were elected.

1. John Wing, 2. James Abramson, 3. Ken Hoben, 4. Serge Dyer, 5. Karl Reuther, 6. Bill Chandler, 7. David Brooks, 8. Harry Shreiber, 9. Emilio Pittarelli, 10. Larry Bernstein, 11. Robert Sukenik, 12. Barton Roessler, 13. John Kennaday, 14. David Scott, 15. Richard Lane, 16. James Murray, 17. David Snider, 18. John Zimmer, 19. Lee Zaker, 20. Jerry Solomon, 21. Bernard Klima, 22. Roy Salzman, 23. Walter Fritz, 24. Reginald Griffith, 25. Frank Bestrim.

After Hours

(Continued from Page 2)

movie much acclaim. (Montgomery Cliff, Liz Taylor, and Shelley Winters.)

KEITH MEMORIAL—"Let's Make It Legal." Claudette Colbert, Macdonald Carey, and Zachary Scott head the cast of this show, which had its world premiere here Wednesday. Mother and her daughters sure had plenty to learn!!

PARAMOUNT—"The Desert Fox." Life just praised this fine story of Hitler's greatest general, and his war in Africa. James Mason portrays Rommel, and does a fine job.

RKO—"The Day the Earth Stood Still." Another of those fantastic movies about the Outer World. This time it's a giant robot bringing destruction to the Earthlings. (Patricia Neal.)

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NOTICES

Simchas Torah Festival

Every Friday night, during Jewish Sabbath services a portion of the Torah is read such that it takes an entire year to complete the Scroll. The commencement of a new Torah is an occasion for festivity—Simchas Torah. To observe this festival, Hillel offers the Jewish students the following program. Monday, October 22, traditional meal at Hillel House 6 p.m., services 7:30, followed by a social program. Reservations for meals by tonight, TR 6-6138. Services Tuesday, 8:00 a.m.

Hillel Brunch at M.I.T.

The first Hillel Brunch of the season at M.I.T. is scheduled for Sunday, October 21, at the Moore Room 6-321, from 10:30 a.m. to 1 p.m. Fifteen girls' colleges have been invited and the fare includes lox, bagels, refreshments, and dancing. Be sure to come and plan to stay as long as the food lasts. Members are charged 35 cents and non-members 50 cents for all the food they can eat.

Combustion

(Continued from Page 1)

conditions; while the smaller, six inches in diameter, will be run at atmospheric conditions up to 65,000 feet. These engines will occupy a small portion of the second floor of the Sloan building. Research will be mainly concerned with the combustion chambers of the jets. Different fuels and fuel injection methods will be under study, with special attention focused on flame stabilization at high speeds.

Compressors

Two 900 horsepower air compressors with a capacity of 13,000 cubic feet per minute are the main units used to simulate actual running conditions. The air from these compressors, located on the ground floor directly beneath the ram jets, will first pass through a moisture remover, then through an after-cooler, and then through a chemical drier. Before it finally reaches the jets, it may be heated up to 600 degrees Fahrenheit if the altitude to be simulated so de-

mands. The air heater, forty feet by eight feet in diameter, will be located on the roof of the new laboratory.

The compressed air now enters the ram jet, either directly into its combustion chamber or first through a supersonic nozzle placed in front of the engine as a complete unit. The smaller jet will be placed in a "U" shaped tank fifty-four and a half feet long by four and a half feet in diameter. Eighteen stages of water spray rings will cool the hot exhaust gases down to 120 degrees before they pass through a silencer and leave the building. The set-up of the larger ram jet will be much the same as the smaller, and all operations will be completely sound-proofed.

Although the Combustion Research Laboratory is designed specifically on the requirements of fuel research work, it may be available for other uses under the normal policy of the Institute.

Sloan Building

(Continued from Page 1)

will be devoted to class rooms for professional subjects in courses XIV and XV. The east side will have a lecture room with a capacity of 225.

A cocktail lounge with a full-time bar tender, a dining room that seats 185, a reading room, a music room, and a game room are features of the Faculty Club to be built on the sixth floor and the penthouse. The penthouse consists of a large room, 25 feet by 45 feet, which will be used for billiards, pool and cards. There will be two guest rooms with baths for visitors to the Institute. There will also be three private dining rooms, one of which, seating 30, will be in the wood panelled, former office of the president of Lever Brothers.

When floor space was allocated, the Institute considered giving space to the Lowell Institute FM station WGBH for a studio, but Technology's own needs took up all available space. WGBH has since set up its studio in Symphony Hall.

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