Pre-Field Day Rally Tonight, Boys Raise Mugs Together

The traditional pre-Field Day rally will be held tonight in Rockwell Cage from 8:10 to 12:10 p.m. While there are no plans for playing teams at the rally, scouts have been quartered at the affair, David Vest, president of the class, has lined entertainment befuddling the minds of the Sophs as they prepare for the big event. Plenty of beer will be on hand.

Other pot lucks and prizes will also be served. Group singing, attended by the Q-club and the presence of the class of 1954 needed to add to the evening's attraction.

Field Day Radio Show

The show on Sports, this coming Wednesday night, October 24, it will be an hour-long show, during which time it will feature several institute sport 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-o-war rally for the Sophomores at 5:00 p.m. on Wednesday, October 24, in Briggs Field House. The coach in charge are Memorial Blues and John Sevick.

Gelett Burgess Plays 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 class of seniors and Junior seniors and alumnus ever have thought to write this fact down on paper. This was Gelett Burgess who has been honored as a writer. However, his name, minus the Franz, is undoubtedly the best known from this group. Because of his Groops and his purple cow, he has acquired a place in Institute history.

The larger, ten inches in diameter, a window in the soundproof panel of an aircraft engine only incandescent flame stabilization in fuel systems. The Groops were designed for the testing of this equipment and facilities. The Groops are high-speed, computer-controlled wind tunnel which can simulate for the testing of the larger, ten inches in diameter, a window in the soundproof panel of an aircraft engine only incandescent flame stabilization in fuel systems. The Groops were designed for the testing of this equipment and facilities. The Groops are high-speed, computer-controlled wind tunnel which can simulate for the testing of this equipment and facilities.

Rocket Research Anticipated

Research will also be conducted there to test a ram jet up to one and four-ten-thousanth inches in diameter, a window in the soundproof panel of an aircraft engine only incandescent flame stabilization in fuel systems. The Groops were designed for the testing of this equipment and facilities. The Groops are high-speed, computer-controlled wind tunnel which can simulate for the testing of this equipment and facilities. The Groops are high-speed, computer-controlled wind tunnel which can simulate for the testing of this equipment and facilities.

This year's show has a Bostonian setting and concerns a caveman in a library. The opening act of what's being called 'sh'musical' is 'Song and Dance' with Jack Jackson, high-flying public man, cast the title is still unannounced.

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 equal, the new Tech Show, "The Tall Man," presented on the evenings of December 7 and 8 at the Cambridge High School Auditorium. The story has been written and the music is nearing completion, according to Doug Haven, general manager of the show, the title is still unannounced.

This year's show, a Bostonian setting and concerns a caveman in a library. The opening act of what's being called 'sh'musical' is 'Song and Dance' with Jack Jackson, high-flying public man, cast the title is still unannounced.

Jackson will stop at nothing to make sure that the plans to do the caveman wrestling in the big ring with the cast matches with his schedule, tests not to mention his escapades otherwise. However, he is due to the action of a mad M.I.T. over here, unconfirmed complications arise and Jack finds himself all the more with what he can handle.

New Combustion Lab To Be Opened

To Research Ram Jets With Running Tests

Ram jets capable of speeds up to two and six-tenths times the speed of sound, elite robots, and jet missiles are all on the agenda of Bob, Jr., in the new Combustion 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 Fuel Research Laboratory.

Started a month ago, construction of the new building is making rapid progress. The new laboratory building, will house the new lab rotors and will also contain portions of the old Combustion Laboratory's floors. This construction, costing $50,100, is to be completed by January 1.

The lab will be in full swing to six eight months from now. The Navy is furnishing equipment for the necessary equipment and facilities.

Kinetic Combustion Research

Basic, covering four years of part-time work, is being praised by other scientists as an; "excellent job." Students and faculty of the Laboratory are urged to buy their options early.

Copyright © 2023 ProQuest Information and Learning Company. All rights reserved.
A STUDENT ASSEMBLY—A REORGANIZATION OF UNDERGRADUATE GOVERNMENT

It was any doubt that it was 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 Committees 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 innumerable rules of commending the interest of one-tenth of the student body.

The concept of the Committee as a collection of interest groups, each with a vote 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 out of which its 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 representatives 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 opinions and needs, and to point out the weaknesses in its structure. Not half enough time was spent last spring in fact-finding and reasoned judgement on the Administration’s proposals for campus living. Institute Committees knew, or should have known, what problems the Institute faced in this regard and what proposed solutions were in the wind. It should have been 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 reasoned judgement on the Administration’s proposals for changes in student government setup at the Institute, it should have in the student government setup at the Institute, it should have

Next year the conference should be held on Institute grounds in the student government setup at the Institute, it should have

CONFERENCE AFTERMATH

Two weeks ago the first annual leadership conference was held at Swampscott. Thirty-five members of Inlaute 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 b focused picture of ideas 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.

THE TECH

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

MANAGING BOARD

Robert R. Brandt, ’52
Robert L. Morin, ’51
John W. Green, ’51
David P. Wood, ’52
William J. Academy, ’51

PUBLICATIONS

_Sales ........................................ Wolf Haberman, ’53
_Treasurer ......................... Arthur B. Cicero, ’52
_Publisher ...................... Robert S. Young, ’54

GENERAL MANAGER

Robert B. Bachow, ’52

ADVERTISING

Edward A. Melalka, ’53

SPORTS

Gilbert H. Stelaberg, ’52

BUSINESS MANAGER

Robert B. Burditt, ’52

OFFICES OF THE TECH

Boston, Mass.

PUBLICATIONS OFFICE

50 Massachusetts Avenue, Boston, 15, Mass.

Night Editor: Edwin Rigel, ’51

A SPECIAL CHECKING ACCOUNT

SAYS TIME AND STEPS

PATING HILLS

20 CHECKS FOR $2

KENDALL SQUARE OFFICE

HARVARD TRUST COMPANY

MEMBER FEDERAL DEPOSIT INSURANCE CORPORATION

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 Relay-Rideley and Tele-Boy Engineers, and together they can be seen in one of the most important events in the history of communications.

Telephone construction crews have just recently completed the coast-to-coast Radio-Rideley 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-Rideley WORKS. Microwaves travel in a straight line. So relay towers are usually built at hilltops and spaced about thirty miles apart. Just as a robber beam through the air from tower to tower. And, for the first time, television programs have been flashed from coast to coast.

BELL TELEPHONE SYSTEM

THE FIRST CHURCH OF CHRIST, SCIENTIST

THE MOTHER CHURCH FALL CAMP-meetings

PUBLISHED EPWEN DAYS TO A WEEK ST. PAUL, MINNESOTA

THE DENVER CHURCH OF CHRIST, SCIENTIST

PUBLISHED EVERY SUNDAY

THE FIRST CHURCH OF CHRIST, SCIENTIST

NEW ENGLAND CHURCH OF CHRIST, SCIENTIST

PUBLISHED EVERY SUNDAY

THE FIRST CHURCH OF CHRIST, SCIENTIST

PUBLISHED EVERY SUNDAY
Intramural Football Highlights Sketch

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

Sparked by Ted Uhler, Theta Delta Chi, and Don Durante, Baker House romped over Kappa Sigma 19-6 to remain undefeated and unscathed. The TIGERS took a commanding lead in the League One race, as Uhler scored two touchdowns on pass receptions.

Delta Chi Wins
Mike Nacey and Bob Darlow collaborated on a 19-7 victory to give Theta Delta Chi a 2-0 victory over previously undefeated Alpha Tau Omega as Darlow returned a fumble 11 yards to run his individual point total to 86. Nacey, in his first football this year, was without much of their powerful team which had won an overtime thriller from Sigma Xi the previous week.

Sigma Alpha Epsilon continued its unopposed reign in the third league as they bumped off DU 24-6, with quarterbacks Bill Miller and John Hovorka receiving the passes of Ed Chambers in leading the team to its third straight league victory, while Cliff Rounds starred for the losing side. With 12 points leading in team scoring, and a closely followed by Theta Delta Chi with 80 and Baker House with 10.

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 12-0 with four minutes to play. With Ed Shes and Ted Hinkle in the van, the Oranges were in their way to victory when one of their punts was blocked.

From then on Theta Chi's ace halfback Pete Goulin was the big gun as he showered in to Theta 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 Goulin ran away for the winning score after Danforth intercepted a pass. The latter line, led by Jerry Carpenter and Dan Shim, was outstanding.

After an opening game loss, Phi Delta Theta rebounded 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 3.

From the "I should have kept my big mouth shut!"

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 passed 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 Threat, T for Taste), you'll see why...

After all the Mildness Tests—
Camels leads all other brands by billions
NOTICES

Simchas Torah Festival

Every Friday evening during the 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, 6:00 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 33 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 45,000 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 12,800 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 dryer. Before it finally reaches the jets, it may be heated up to 600 degrees Fahrenheit if the altitude to be simulated so demands. 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 supercharger 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 soundproofed.

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.

Fallen Building

(Continued from Page 3)

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 200.

A cocktail lounge with a full-line bar tender, a dining room that seats 150, a reading room, a music room, and a paneled 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 meetings, 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 paneled, former office of the president of Lever Brothers.

When floor space was allocated, the Institute considered giving the former office of the president of Lever Brothers.

to the Institute, but Technology's own needs took up all available space. WGBH has since set up its studio in Symphony Hall.