Lecture Filmed; Will Display
Land's Theories

Bell never missed several lectures a week, including ones in physics given by Professor Hans Busch. The films will probably be by Dr. Edwin H. Land when he was the North Arthur Dole Littoral Lecturer in Kresge Auditorium tomorrow night at 8:00 p.m. Future is free and open to all.

"It all is expected to be especially applicable to MIT. While preparing the show, he spent two weeks in meeting with faculty members, administration and others.

Land told The Tech that a typical problem which he will deal with will be that of the facuality member's coming between his research and his teaching. "In my own teaching, I must always be on the alert for new material." He feels that the students in their respective studies must face the same problem, as he is most acutely faced, in a school.

Lecture\nProfessor Kosheff has not bothered "to lesson" his students for two years. His "teaching by light" was the only schedule asked, 8:45 a.m. and several demonstrations indicated the use of pulsed light. When challenged since Dr. Land, the assistant of the Polaroid engineers, is in the Polaroid Corporation.

Governor Checks Reactor

Massachusetts Governor Foster Furcolo viewed construction of the MIT reactor reactor valued at over two million dollars. He visited the institute last Friday to discuss atomic industrial developments with the MIT officials and nuclear engineers.

Tech Men Eat Slim On Thursday; Many Prefer Sleep To Breakfast

The Commons dinner-latest-diner weekday morning is Thursday; his earliest, Friday. This conclusion may be drawn from the Dining Service's Commons Mode figure for the week of May 10. These show that fewer breakfasts were served on Thursday than on any other day, while Friday had the largest number.

Other figures: Seventeen per cent of all commons diners were absent.

More than 28 per cent missed lunch, more than 28 per cent did not eat breakfast.

Consult Students For Parking Aid

Students met with the Parking Development Company of Boston this week to express their views of the parking problem. Dick Brander, chairman of the Student committee for parking, stated after the meeting, "This meeting was only of a general nature. Nothing specific was done. We just gave our views.

This meeting with the students in line with a large scale program to contest all groups involved with the parking problem. According to Philip A. Stoddard `40 assistant treasurer, "People in West Gate, Grad House, and other groups will be contacted shortly, as will the dorms and some other MIT possesed.

Report By Summer

"We hope to have the Commonwealth's report by the end of the summer," continued Bradroud. "Of course," he added, "the time for the needed construction work cannot be estimated until the Commonwealth's suggestions have been submitted."

Even Mr. William Fitzgerald, President of the Company, had stated that six months would probably be required to make any sort of parking solution work effectively. He also thought that the solution to the problem would be in the form of "free" attending parking lots where cars are parked bumper to bumper.

The Tech Victorious As Voo Doo Forfeits Game

A crowd gathered on Briggs Field last Sunday and hundreds more watched with even more excitement at the 30 cent admission place as Voo Doo took to the field to play their annual baseball game against the Tech. The Tech defeated Voo Doo by a score of 4-0.

Final Issue

This is the last issue of THE TECH for several months, as the Board of Information of the Staff of THE TECH extend the entire page to a full issue this week and a pleasant final week.
GRASS!

Imagine yourself pistoeting in your bare toes across a Tickle Toes lawn practicing Madame Butterfly. Isn’t the sensation of soft green grass tickling your toes divine? Can you think of a greater sensation than a luxuriant carpet of grass covering your feet?

The Tickle Toes Grass Co. recommends that you use nature’s solid fertilizer on your Tickle Toes lawn. Get your fertilizer with H-77 produced in sanitary surroundings at room 56A Walker Memorial, MIT.

East Boston, Mass.

"It tickles your sole!"

**THE KIBIZER**

**CALENDAR OF EVENTS**

**WEDNESDAY, MAY 22**

Reading Period through May 24: Biology Department—Biochemistry Division, Colloquium: "Enzymatic Mechanisms in the Synthesis of Glycineamide Ribonucleotides." Tea will be served in Room 6-171 at 2:30 p.m. ROOM 6-171, 2:30 p.m.

Electrical Engineering Department, Colloquium: "Some Mathematical Experiments on Machines." Professor Stanislav Ulam, Mathematics Department. Refreshments will be served in Room 10-260 at 3:30 p.m. ROOM 10-260, 3:30 p.m.

A.D. Little Lecture Committee, Arthur Dehon Little Memorial Lectures: "Generation of Greatness: The Idea of a University in an Age of Science." Dr. Edwin H. Land, President of Polaroid Corporation. KRESGE AUDITORIUM, 8:00 p.m.

**THURSDAY, MAY 23**

Electrical Engineering Department, Seminar: "Electronic Processes in Solids." This is a continuing series of lectures by Dr. Pierre Agrifoglio, Professor of Physics at the Ecole Normale Superieure, Paris, and Visiting Webster Professor of Electrical Engineering. The final lecture will be presented on Tuesday, May 28.

Freshman Outdoor Track Team. Meet with Mass. Hall BROWN FIELD, 3:30 p.m.

Mathematics Department, Harvard-MIT Joint Mathematics Colloquium: "Complex Analytic Continuation" on Almost Complex Manifolds." Professor Louis Nirenberg of New York University, Tea will be served in Room 2-290 at 4:00 p.m. ROOM 2-290, 4:30 p.m.

Staff Players of MIT. Fall supper meeting of the season. Play reading of S. Thomas "Charley's Aunt." Supper at the Faculty Club at 6:30 p.m. For reservations, call Extension 682.

**FACULTY CLUB PENTHOUSE, 8:00 p.m.**

Lowell Institute School, Graduation Exercise, with address by Mr. Frederick W. Argue, Engineering Vice President of Stone and Webster Engineering Corporation. Exercises also include an address by Professor J. P. Den Hartog and presentation of the Edwin H. Land, President of Polaroid Corporation, KRESGE AUDITORIUM, 8:00 p.m.

**FRIDAY, MAY 23**


**SATURDAY, MAY 24, 1957**

**SOUTH**

**TUESDAY, MAY 28**

Seminar: "Electronic Processes in Solids." This is the last in a series of lectures by Dr. Pierre Agrifoglio, Professor of Physics at the Ecole Normale Superieure, Paris, and Visiting Webster Professor of Electrical Engineering. ROOM 10-275, 3:00-4:30 p.m.

**WEDNESDAY, MAY 29**

Mathematics Department. Continuum Mechanics Seminar: "Helmholtz Equation of a Body in a Hot Stream." Dr. Leonard Roberts, Mathematics Department. ROOM 3-147, 4:00 p.m.

**MONDAY, JUNE 3**


**SUNDAY, JUNE 2**

Senior Class Banquet.

**FRIDAY, JUNE 7**

Boston Pops Orchestra Concert.

**TUESDAY, JUNE 8**

Annual Commencement Formal Ball.

**Wednesday, June 6**


**FRIDAY, JUNE 7**

Commencement Graduation Exercises, with Commencement Address by Dr. John W. Gardner, President of the Carnegie Corporation of New York. Address to the Graduates by Dr. James R. Killian, Jr.

ROCKWELL CAGE, 10:00 a.m.

Luncheon and Reception. Commencement Address by Dr. James R. Killian, Jr. Lincolm and Reception. Commencement Address by Dr. James R. Killian, Jr. and President’s Reception for Seniors and their guests. Luncheon tickets are $2.50 per person.

**MONDAY, JUNE 10**

Alumni Day Luncheon. Luncheon for alumni and guests; address by Dr. James R. Killian, Jr.

**TUESDAY, MAY 21**

Senior Class Cruise

**SOUTH**

**SATURDAY, JUNE 1**

Senior Class Party: "Mystery Night."

**SUNDAY, MAY 31**

Senior Class Banquet.

**FRIDAY, MAY 31**

Boston Pops Orchestra Concert.

**SYMPHONY HALL, 8:00 p.m.**

**MONDAY, JUNE 3**

Senior Class Midnight Cruise.

**ROWES WHARF, 7:45 p.m.**

**FRIDAY, JUNE 7**

Annual Commencement Formal Ball.

**THE SHERATON-PLAZA HOTEL, 8:00 p.m.**

**JUNE 10**


**KRESGE AUDITORIUM, 10:10 a.m.**

Banquet Service, Barbecue Service, with address by Dr. George E. Pike, Dean of the MIT School of Science.

**KRESGE AUDITORIUM, 3:00 p.m.**

**FRIDAY, JUNE 7**

Commencement Graduation Exercises, with Commencement Address by Dr. John W. Gardner, President of the Carnegie Corporation of New York. Address to the Graduates by Dr. James R. Killian, Jr.

**ROCKWELL CAGE, 10:00 a.m.**

Luncheon and Reception. Commencement Address by Dr. James R. Killian, Jr. and President’s Reception for Seniors and their guests. Luncheon tickets are $2.50 per person.

**DU PONT COURT, 1:00 p.m.**

**MONDAY, JUNE 10**

Alumni Day Luncheon. Luncheon for alumni and guests; address by Dr. James R. Killian, Jr.

**MONDAY, JUNE 3**

Senior Class Banquet.

**ROCKWELL CAGE, 10:00 a.m.**

Luncheon and Reception. Commencement Address by Dr. James R. Killian, Jr. and President’s Reception for Seniors and their guests. Luncheon tickets are $2.50 per person.

**DU PONT COURT, 1:00 p.m.**
The Karl Taylor Compton Laboratories

The Ryer Report
Bank Robber
Political Tactics

In December, the reader was reminded that a twenty-five year period of MIT, as seen through the pages of The Tech. This undertaking is one seventy-fifth as ambitious, but just as important. The joint committee consisting of faculty, administration, and students, spent over a year preparing the final report of the Ryer Committee. It would not dispute this: "about nothing" said this: "much hast nothing" said this.

"Gun and building wire can be replaced money and planning for it." This committee has not been idle. The answer to the question: "Why has The Tech sat on a hundred miles of the road to any important report?" To belittle so much time and effort in an interview: "He doesn't think it us."

The Kftarl Taylor Compton Laboratories

Starting May 24th
Your Big Chance to Save!

Dunster St. Oxford Shirts........2.98
Brattle St. Broadcloth Shirts........2.98
Brattle St. Broadcloth Pajamas........2.98

At regular prices we consider these shirts and pajamas on extra fine value. At these sales prices they are truly super-values. For At regular prices we consider these shirts and pajamas an extra fine value. At these sales prices they are truly super-values. For

The Daily

Top Cash Prices for your Second Hand Text Books

Harvard Book Store
1248 Mass. Avenue
Cambridge, Mass.

We Buy All Your Books

Why It Costs Less

To get the benefits of low-cost Savings Bank, Life Insurance, you have to take the first step, your savings bank. There you get full information and help in selecting the right policy needs and budget. By buying Savings Bank Life Insurance—over-the-counter,
you help cut selling costs... and you get the savings. The savings will go further by yearly dividends, as your account grows and your earnings begin to add up. This is why we recommend our 1956-1957 Strategy:

- Take the first step — let us show you how to get more protection at lower cost.
Chemistry Department More Flexible; Aero Men Offered Guidance And Missiles

Extensive changes in curricula are being planned by many departments for the coming year. An effort to dispel the impression that courses 10 is "rigid," with few electives offered during the undergraduate years, the Chemical Engineering Department is revising its section in the catalogue to emphasize the flexibility of the program. Among the changes in the undergraduate curriculum planned for next year is the substitution of systematic courses in organic chemistry to replace 3.11, "Qualitative analysis" and 5.11, "Quantitative Analysis." Course 10.11, "Chemical Engineering," will be taught in the second term of the sophomore year instead of the first term, and its content will be changed considerably. Courses 10-28 and 10-18 will be taught in the first term of the third year. 10-29 will come in the second term of the Sophomore year instead of the first term, and its content will be changed considerably. The biggest change, however, involves changing Organic Chemistry to the Sophomore year. This will come about slowly due to crowded conditions in the labs, however, and it may be several years before the change is completed.

The Aeronautical Engineering Department has several new courses for Undergraduates next year. Among new courses is "Mistle Aerodynamic"; "Eviel Guidance," and "Orbit Vehicles." Dr. Howard Emmons will replace Dr. I. E. Gerrick as the "Gorino Clark Hurnaker" lecturer.

Course XIV Changes
The department of Economics and Social Studies has one new undergraduate course for next year entitled "Econometrics." There are also three new classes, "Politics and National Defense Policy," "National Security and Enforcement Policy," and "Movement." "The Aeronautical Engineering Department has several new courses for Undergraduates next year. Among the new courses are "Mistel Aerodynamics," "Evol Guidance," and "Orbit Vehicles." Dr. Howard Emmons will replace Dr. I. E. Gerrick as the "Gorino Clark Hurnaker" lecturer.

Fulbright's Increase
By Three To MIT; Go To Paris, Berlin

Three more MIT students received Fulbright scholarships this year to study abroad in 1957-58: Jerome B. Cohen of Brooklyn, to study metallurgy at the University of Paris; Charles D. Russell of El Dorado, Arkansas, to study abroad in Germany; and Warren L. J. Decker of New Jersey, to study economics at the University of Goettingen.

Fuller and Schade, in an effort to dispel the impression that courses 10 is "rigid," with few electives offered during the undergraduate years, the Chemical Engineering Department is revising its section in the catalogue to emphasize the flexibility of the program. Among the changes in the undergraduate curriculum planned for next year is the substitution of systematic courses in organic chemistry to replace 3.11, "Qualitative analysis" and 5.11, "Quantitative Analysis." Course 10.11, "Chemical Engineering," will be taught in the second term of the sophomore year instead of the first term, and its content will be changed considerably. Courses 10-28 and 10-18 will be taught in the first term of the third year. 10-29 will come in the second term of the Sophomore year instead of the first term, and its content will be changed considerably. The biggest change, however, involves changing Organic Chemistry to the Sophomore year. This will come about slowly due to crowded conditions in the labs, however, and it may be several years before the change is completed.

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Traditions’ Face Police, Stiff Raps; The Call To ‘Riot’ Leads To Jail

At The March 2-3 Demonstrations

Traditions Face Decrees: Gone Are Hazing, Field Day

Spot Cash FOR Discarded Books
(yes, even books discontinued at your college)

We pay top prices for books in current demand. Bring them in NOW before time depreciates their value.

BARNES & NOBLE - BOOKS
28 Boylston St. at Harvard Square
Men in the know
know true from false

Classical music is preferred over popular music by college men

FALSE

College men prefer to date college gals

TRUE

Jockey is a Trademark. It refers to underwear made only by Coopers

FALSE

Men on the go

go for Jockey

Jockey is a registered brand and trademark of Cooper's, Inc. It applies only to Jockey brand briefs, Miloway® socks, underwear, T-shirts, and hosiery. Each is very finest and most comfortable of its kind, too.

Most studies of students at college disclose that boys and girls aim at quite different things.

The boys learn new angles — add strings to their bows;
The co-eds would rather add beaus to their strings!

MORAL: Why be high-strung? Falce with the BIG, BIG pleasure of Chesterfield King! More full-flavored satisfaction from the world's best tobaccos. PLUS King-size filter action... a better tobacco filter because it's packed more smoothly by ACCU-RAY!

Chesterfield King has everything!

$50 goes to Bob Armknecht, Dartmouth College, for his Chesterfield poem.

For his Chesterfield poem, $50 for every philosophical verse accepted for publication. Chesterfield, P.O. Box 2, New York 46, N.Y.

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Gives you Social Security in just 3 seconds! 1.00 plus tax

Get together with Schaefer... America's oldest lager beer

Old Spice STICK DEODORANT

For real enjoyment — REAL beer!

Chesterfield King has everything!

MORAL: Why be high-strung? Falce with the BIG, BIG pleasure of Chesterfield King! More full-flavored satisfaction from the world's best tobaccos. PLUS King-size filter action... a better tobacco filter because it's packed more smoothly by ACCU-RAY!

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The MIT varsity track squad raced firsts in the 440-yard dash, the departure from the financial resources of the David duPont million dollar bequest last year. The most family have indicated that their late son was especially interested in tennis and that it was his wish implement the tennis facilities of MIT. The construction of the courts will begin during the summer and they should be finished by the fall term, according to AA president Don Holland '58.

The MIT varsity track squad raced firsts in the 440-yard dash, the 220-yard run, the broad jump, the hammer throw, and the pole vault. It was Murdock in first place, but the Frosh was Lucas who not only won only one game, but several of the contests entered, the going proved rough, and the conference played at Trinity. With fifty-seven players from thirteen schools entered, the going proved rough, and they suffered defeat in the first round. The single-handed championship on the Charles River last Sunday. Walley Everest, a sophomore from Boston University, claimed the title beating Widnall by only four points.

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**Winicour And Moss Represent MIT In NE Tennis Tourney**

Winicour And Moss represent MIT in the New England Intercollegiate Tennis Association tournament the past weekend, the tennis season at MIT has officially come to a close. Jeff Winicour and Pete Moss, both sophomores, represented Tech in the tournament played at Trinity. With twenty-seven players from thirteen schools entered, the going proved rough, and they suffered defeat in the first round. But the single-handed championship on the Charles River last Sunday. Walley Everest, a sophomore from Boston University, claimed the title beating Widnall by only four points.

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SAE, Grads, TEP Battle In Final

Only three teams remain in the softball picture as the finals of playoff competition commence. Grad House A team with an unbeaten record to date looks like an almost sure winner as TEP Club and Sigma Phi Epsilon, both with single losses meet for the right to oppose the Grads. The winner of the TEP-Sig Ep game would have to take two in a row from Grad House to become champ, and this appears almost impossible.

However, the Grads are in jeopardy of losing their record because of the alleged playing of an ineligible person during one of their season contests. If the intramural panel rules such is the case, the winner of the TEP-Sigma Phi Epsilon game will be declared the 1957 Intramural Softball Champion.

Playoff competition began on Friday, May 10 when Phi Gamma Delta eked out a 13-12 victory over Phi Delta Theta. TEP Club whipped SAE in a wild contest that was finished in rain and darkness by a 7-3 count, while Sigma Phi Epsilon was upset by the Grad B squad 6-4.

On Monday the 13 play continued as Grad House A overwhelmed Theta Chi 25-4, TEP walked all over Grad B 11-1, and the Sig Eps recovered to smash SAE 8-2, thereby eliminating the sailors who suffered their second straight defeat.

Rain cancelled play on Tuesday, but on Wednesday Grad House A returned to action and promptly whipped Phi Gamma 8-5. The Grads trailed by 5-1 at one time but they rallied to overcome this deficit and take the holysnraw. A full slate of games was played Thursday and saw Grad House A square by TEP Club in the most crucial game of the series, 1-0. The winning run, scored on an error, robbed ace TEP pitcher Murray Muraskin of an unblemished record. Phi Gamma Delta and Phi Delta Theta were both eliminated on this day as they fell by almost identical scores of 14-0 and 14-1 to the Sig Eps and Grad House B respectively. The Fijis and the Phi Delts finished in a tie for fourth with 1-2 won-lost marks.

On Saturday only one game was played, and it marked the final appearance of the Grad House B team, as they lost to the Sig Eps 10-2. This placed Grad House B in fourth place with a 2-2 mark.

This brings us up to the present. Monday Rev Goodison will attempt to pitch his Sigma Phi Epsilon team to a victory over an equally strong TEP Club led by the aforementioned Murray Muraskin. The winner takes on Graduate House with the prospect of a single loss eliminating them.

Viceroy has the smoothest taste of all!

![Viceroy Cigarettes Ad](https://example.com/viceroy_ad)
Tech Lacrosse Team Top Middlebury, Goalie Marks Shots In 10-9 Win

Paying their classic game of the season, the varsity lacrosse teams edged closer to the Govt’s goal last Saturday. The Raiders were spotted in a defensive setting, guarding the offensive play of the visiting Middlebury. The matchup was an exciting one, with both teams vying for the lead. The game turned out to be a gritty one, with the visitors outmaneuvering the home squad’s goalie, making it tough for them to score.

First of all, what’s all about? What does a fellow like John Jackson do all day? In his own words, “I keep in touch with the executives of many different companies and they ask me to come in and talk to them on the use of their IBM electronic data processing computers. I personally consult with these customers, and analyze their scientific and technical problems for solution by IBM. Occasionally, I’m asked to write papers, and give talks and demonstrations on electronic computing. All in all, it’s pretty fascinating — something new pops up every day.”

In other words, John is a full-fledged computing expert, a consultant... and a very important person in the IBM organization... and he’s satisfied. And then, too, John is exercising his mathematical background in both of these areas. It was not until he was interviewed by IBM that field computing whetted his scientific appetite. A few months later, John launched his own IBM career as an Applied Science trainee.

Promotionwise, John has come a long way since that time. He’s now an Applied Science Representative in one of the busiest, most responsible offices in the IBM organization... more of working with customers. With his wife, Katherine, and daughter, Lisa, 20 months, and John, Jr., 6 weeks, he enjoys his suburban home. He’s happy and he’s satisfied. And then, too, John knows a few vital statistics about IBM... such as the fact that the Applied Science Division has quadrupled during the past three years, and that in IBM alone, over 70 promotions were conferred. Ever a future hold promise, here is one.

IBM hopes that this message will help to give you some idea of what a mathematician can do at IBM. There are equal opportunities for IBM’s M.S., Ph.D. candidates and Liberal Arts majors in IBM’s many technical, business and product development, manufacturing engineering, products and applications technical fields. IBM will send you details... for data reduction of wind tunnel tests... and for wage stress analysis. At the same time, he worked with this company’s own employees, training them in the use of IBM equipment. John still drops around to see that everything is running smoothly.

Another service that John performs is the constant supervision of each customer’s IBM operation. Occasion- ally, a customer may tie himself in knots over a procedural “stickler.” Periodically, in fact, John brings IBM customers together... just to talk over what’s happening in each other’s business—how everybody else handled that old bugaboo in any industry... details.

New Sold for Mathematicians

John is exercising his mathematical knowledge in a field that was practically unheard of ten years ago. Even now, this kind of work may seem a bit exotic. To you. It was to John Jackson a few years back when he was an undergraduate at the University of Colorado. At that time, he was considering actuarial work or mathematical research. But John liked the excitement and diversification of science and industry and he wanted to use his computer program that saved the organization over 100 days to their one goal lead.

Opening quarter, when Fitzgerald outmaneuvered the home squad’s goalie, John organized the establishment of an Applied Science Division has quadrupled during the past three years, and that in IBM alone, over 70 promotions were conferred. Ever a future hold promise, here is one.

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The Tech ill-fated baseball team recorded a set of losses over the past season and to bring its season's statistics to 1-17, one of the worst records in the country. The Beaver Nine over the Past season has come from the leather oval down the grassy turf of Briggs. Saturday's contest between the two produced a 6-3 win for New York.

The Tech Rugbyers took to the field Saturday against a contingent of New York, who called themselves the New York Rugby Club. The contest was well fought on both sides, the oval was well bouned by aggressive toe action, and the end line was often threatened in the affair that found the Tech team down by a 6-5 count at the final gun.

New York playing with several experienced players from foreign hands where Rugby is nearly a national sport had a considerable edge in personnel, but Tech showed good teamwork in their narrow defeat. It was the last game of a rather successful season for the Rugbyers, which found them traveling everywhere from An- nister to Stamford in their tour of athletic achievements.

Throughout the season the Rugby team has been handicapped by the lack of their traditional beverage --- beer, during the vicious action of an athletic contest. Normally, they would enjoy a few draughts from the keg during and after the game, but Tech showed good team-work in their narrow defeat. It was the last game of a rather successful season for the Rugbyers, which found them traveling everywhere from An- nister to Stamford in their tour of athletic achievements.
Busily Week-end Round
Slated For Class Of '61

It is again the latter half of Sep-
tember meeting at this year's Fresh- 
man Week-end introduces a new ac-
ademic year. This year, occurring 
mainly from September 17 to 21 and 
coinciding with the exception of a din-
er, in the twenty-sixth of this month, 
the orientation program has incorpor-
ated several new ideas and methods 
from the discussions of last year's Fresh-
man Orientation Committee report. The 
front page is a new part of the pro-
gram, and for the first time, a dinner 
with the faculty advisor, is being held 
bearing the freshman class of 1961 
without freshmen in all the houses, 
reportedly the fourth week of Sep-
tember, the third most heavily 
undergraduate business.

Mit Welcomes 900 - Strong Class Of '61

Institute Holds Class Size Down

An alert Admissions Office has 
found this year's freshman class, in 
rebuilding the size of the freshman 
class to a manageable 900, thereby 
mitigating the past year's student 
housing problem.

Actual figures released by the Ad-
missions Office late Wednesday in-
cluded that the Class of '62 includes 
927 students from secondary schools 
in the United States and abroad, and 
about 78 transfer and non-students.

But despite the unusually small 
size of the freshman class, the num-
er of students up for Rush Week total 
1960 were on hand, of which less than 
fifty, in about 1954, had applied. 
In each house the average number 
of pledges represents a ten per cent 
over last year, and the financial opera-
tions of the paper are as di-
tensive-after the Athletic Associ-
ation, the financial operations of 
the paper, are the third most 
comprehensive. Two other frater-
nity which is in the process of its 
building itself up. Two other 
fraternities, Beta Theta Pi and Theta 
Xi, had only five pledges as Rush 
process of its building itself up. Two 
other fraternities, Beta Theta Pi and 
Theta Xi, had only five pledges as Rush 
year had the largest pledge class on 
the twenty-sixth, the orienta-
tion program has incorporated sev-
eral new ideas and methods 
from the discussions of last year's Freshman 
Orientation Committee report. The 
front page is a new part of the program, 
and for the first time, a dinner 
with the faculty advisor, is being held 
bearing the freshman class of 1961 
without freshmen in all the houses, 
reportedly the fourth week of Sep-
tember, the third most heavily 
undergraduate business.

Varied Positions Available

Admissions Office has an ad-
dvertising campaign in the city. 
Besides the normal duties of a newspaper and a busi-
ness manager, The Tech demands interested 
students. It must be a person who can 
work with the paper's staffs. Pre-
vious experience is not neces-
sary. The Tech has a definite responsibil-
ity to the student when he needs 
the most help. Late in the afternoon the sec-
toddy or radicalism, and the paper, 
are the third most 
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fraternities, Beta Theta Pi and Theta 
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The kibitzer

defense
S- $1652 Q- $10 653 D- $3 AK- $6 C- $7
S- $8 77 H- $6 Q-2 D- $9 72 S- $KJ 65
The bidding: S $1 W $2 N $1 1 H $2 P $1 4th $1

Opening lead: Queen of diamonds.

The no-trick bidder always assumes when he sees an expert duced a good ace or king while defending a hand in order that he may defeat the contract. The above hand is a good example that even a non-expert can inhabit in if he is willing to concentrate a little.

The jack of spades is captured by North's queen; East plays the seven. South thus saves little heart to his ace.

To beat the contract West must pitch his king! If West does not, he will be forced to win the second or third heart. With West in the lead, South has an additional spade stopper and since the hearts will set up with the play of the queen from the board, South has no more worries. West's only hope to defeat the contract is if East holds the jack of hearts with two little ones, and can get in and lead a spade through South's king in time. It is obvious that the declarer has the king of spades and does not have the ace of hearts. If East had the king of spades he would have played it on the first round; since he played the seven, South's king must be protected. If South had the jack of hearts, he would have finessed hearts the first time he played them. If South holds both hearts, the contract can never be defeated, and West is only throwing away one trick.

If West pitches his hearts of clubs against the ace, South cannot make the contract. South can take eight tricks at most, one spade, two hearts, two diamonds, and three clubs, before he must beat East in.

---Jerry Davis '36

The MIXTURE AS BEFORE

Today begins my fourth year of writing this column and, as before, I will continue to explore the finer points of contracting bridge, from the hand that produced the hand in 228 and "should pajauas and role be allowed as a first-class means of settling small debts?" Should one keep his "pajauas" and "should pirouetting be permitted in the stacks?" and "should tap dancing be permitted at sorority rush?" be empowered to perform marriages?" and "should capital punishment for pledges be abolished?"

WELCOME

Welcome to MIT, and to our community. We hope that these next few years will be among the best and happiest of your life.

The Tech

Offense

SPACE

HARVARD

YALE

STANFORD

Columbia

Michigan

Michigan State

Colorado

Virginia

THE KIBIZTER

VOL. LXXVII

No. 18

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Ralph M. St. John '47

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The editorial board of The Tech invites the members of the Class of 1960 to express their opinions of the MIT community through the "letters to the editor" column. The editorial board will keep no judgment in what letters to print but will print none notas signed. Name will be withheld upon your request.

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Chairman

THE TECH

The carrier of "Beware Day" and "Black Duck," and the latter's text, is quite simple. The carrier is quite simple. The carrier is quite simple. The carrier is quite simple. The carrier is quite simple.

Editors in Chief:

Ralph E. Manchester, Jr. '48

Chairman

George J. Grant '48

Photography Chairman

The nine hundred entering freshmen will get full value on where to live, where to eat, where to go and what to do. They have been subjected to testing, counseling, process-
ing and speeches. They have filled out forms, read slick magazines, and taken entrance examinations.

The Class of 1961 to express their opinions of the MIT community through the "letters to the editor" column. The editorial board will keep no judgment in what letters to print but will print none not as signed. Name will be withheld upon your request.

This Is MIT

The finest technical education available.

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The free time and the hours spent on campus make one a part of the community. The free time and the hours spent on campus make one a part of the community. The free time and the hours spent on campus make one a part of the community. The free time and the hours spent on campus make one a part of the community. The free time and the hours spent on campus make one a part of the community.

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Low Temperature Research Here Paves Way For Fusion Engines

Thermonuclear engines producing staggering amounts of electrical power from inexhaustible, plentiful fuel are envisioned by Professor William Phelps Allis, of the Physics Department. In these engines, powerful magnetic fields would control reactions such as occur in hydrogen bombs.

Professor Allis was interviewed recently by Volta Torrey on an MIT Science Reporter program about "Efforts to Control Fusion Power," which was telecast by WGBH on Channel 2.

The atomic power plants now being built are fission reactors, in which the nuclei of atoms are split apart, while plants employing fusion reactions, in which nuclei are fused together, would yield more power and the supply of fuel for such plants would be virtually inexhaustible.

Professor Allis described a fusion reaction in which deuterium is used. Deuterion can be extracted from sea water, and can yield 60,000,000 times as much energy per pound as is obtained from coal.

The ignition temperature of deuterion is so much higher than that of coal or gasoline, however, that no kind of engine is needed. No familiar material can withstand the extremely hot and fast-moving fusion reactions, and these serve as a cylinder.

In the stars, gravity holds the reaction together, but the earth's atmosphere causes the reacting atoms to fly apart. The earth's material can withstand the extreme temperature of 500,000 degrees Fahrenheit, sufficient to fuse the nuclei of atoms and yield high energy.

Professor Allis described two ways of holding the plasma within magnetic fields. Difficulties which the scientist will face are angle effects, kick effects and finite effects in the plasma. These are major obstacles to present in the development of satisfactory magnetic cylinders and pistons.

Professor Allis described similarity for the first time in an investigation under way here of the properties of highly ionized plasma at low temperatures. From such studies, theoretical deductions may be made regarding the plasma's behavior at high temperatures. This research is known as Project Asah, and is sponsored by the Atomic Energy Commission.

Professor Allis is an outstanding authority on electrical discharges in gases. He believes that the scientists and engineers now working on the thermonuclear power plants are at a stage comparable to that which pioneers of aviation had reached at the turn of the century.

Women at M.I.T.? Of course—they've been here for years. Every year a small number of women enter with a class of hundreds of men. This function occurs, rather puzzling at receiving letters addressed "Dear Sir," and invitations to "get acquainted with lots of girls around Boston," sponsored by Freshman Week's effort to give them first taste of life at a men's college. Several upper-class women were among all weekend to council the incoming group and help them into their new world.

Each freshman room is assigned to "Big Sister" within her halls who will be her guide. Exercise and advising her about what lies ahead. An extra for girls will be the Big Sister-Little Sister dinner on Saturday night.

New under policy, all freshmen are living in the Women's Dorm on 109 Bay State Road with three upperclassmen. (Plano Cule 7-6644.)

The lecture hall, in a list of the girls and their home towns: Fren-See Roch, Holy Park, N. Y.; Jacqueline Seaver, Buffalo, N. Y.; Nancy Barish, Unit. Mck. Betty Hambi, Boston. Ever; Hor. M. Atlanta, Miss. Karl Taylor Compton Laboratory. The lecture hall has 418 seats, arranged in pairs on tiers, so that every seat can be seated or left without disturbing anyone. Every student will have an unobstructed view of the instructor's demonstrative board, and provision has been made for the use of every known backing aid.

A film projection room extends across the rear of the hall, and behind the students' heads. It provides ample space for all kinds of projectors and television cameras. The ceiling of the hall has been made of birch-floored, recessed for outskirts of small electric lighting, Perls can be removed from this ceiling to permit the lowering of a second screen for additional cameras or a large-screen TV projectors if proper steps be do- able.

Behind the instructor's bench is a blackboard 48 feet wide. The walls are supplemented by three 16-foot black-boards, and 2 16-by-16-foot movie screens which can be raised or lowered hydraulically. There is equipment throughout the hall, an automatic camera (which balances have a ducker and paper box) above the instructor, and provision for special lighting of his desk.

A row of chaise lounges is located in the back, and behind the blackboard to a "dressing room" for science visual aids. A four-octave electric organ is located in the entrance to the "dressing room." The lecture hall is situated on 120 Bay State Road with three upperclassmen.

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The Class of 1941 will be the first not to participate in the traditions of Field Day in fifty-two years. Field Day was just two years ago, the climax of a rivalry between the freshmen and the sophomores. The day consisted of various athletic contests between the freshmen and the sophomores, and the notorious glove fight, a contest which is pictured above. Last year's first issue described it like this: "The freshmen congregate at one end of the football field and the sophomores at the other, where each man possess a glove. On the signal there is open warfare, the object of which is to get as many of the other class' gloves as possible. At the end of fifteen minutes the gloves captured are counted and the winner declared."

But Field Day is no more. The first blow to its existence came two years ago when boxing was abolished. The second, and the lethal blow came last spring when the Athletic Association abolished all Field Day sports. The general sentiment behind the move was that the intercollegiate competition was being hindered because of the rushed schedule before the field day events, and the high level expense incurred on an athletic activity that adds little to the intercollegiate reputation of MIT.

The Athletic Association has recently announced an All-MIT Sports Day for the former Field Day date. The day will include home competition by four of Tech's varsity teams, plus a tentative luncheon in the cage for the spectators.

There has also been mention of an All-Tech Track Meet to be held in the same program featuring runners from all parts of the Institute. The Association hopes that this day will maintain the high spirit developed on former Field Days, and yet foster intercollegiate competition and better performance beforehand.

The events scheduled for that day feature a Charles River Crew Race with Dartmouth, who are always strong contenders, in the morning. None will provide a sailing match against an unmentioned school in the Schell Regatta at the MIT sailing position. The luncheon will follow in the cage, and it is expected that Beaver Key, the Junior Honorary organization, will be selling refreshments and souvenirs throughout the day.

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Any saving that can be made in the cost of automobile operation is news! To you, if a member, the Coop Patronage Refund of 5% on charge purchases or 10% on cash will represent a substantial saving. Savings may now be realized on the purchase of gas, oil, lubrication, and other items.
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Beezer Bars

Participation, Competition Keynote Athletics

By Lenny Sop

The many contributions made to science and industry by the Institute and its traditionally high academic standards have all but obscured its past as pioneer in intercollegiate sport. You may have heard of the scientific achievements and of the prudential tradition but it is extremely unlikely that you know that MIT intradisci

Gional intercollegiate sailing competition was one of the best known sports of weightlifting.

Because of the lack of big-time Torh major sport teams, the athletic program has received little notice. It is however, one of the most complete to be found in any university, large or small. The program includes every sport, major or minor, with the single exception of football. Participation in varsity, freshman and JV athletics is in the past complete anywhere. Al

Most activities of the undergraduate body have at one time or another participated in the intercollegiate program.

No "Mine" Sports

Before I mentioned major and minor sports, let me correct myself. At the Institute there are no minor sports, all sports are treated equally. This is perhaps the reason for our athletic success. We like to win, we are out there not just to "participate" but to win if possible. Just as there are no minor sports, there are no no-win situations. A win by the basketball team over a comparable minor league team is just as high as a win by the cover over a definitely big-league adversary.

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The Tech Page 3

Competition, Classes Satisfy MIT Athletic Grad Requirements

The MIT physical education program requires every student to complete a minimum of eight athletic points by the end of the freshmen year. These points can be earned through participation in the various intercollegiate sports or by attending a physical education class. Medical examinations, swimming, and physical fitness tests are recommended for participation in swimming or developmental classes. Medical examinations are also necessary for eligibility in intramural sports, such as space classes as well as freshman. Complete a physical education course toward satisfactory participation in the varsity or freshman intercollegiate program, or participate in the freshman intramural program. Satisfactory participation in the varsity or freshman intercollegiate program awards two points per fall or spring sport or four points per winter sport. Though completion of the physical education program during the first two years is one of the requirements for the Bachelor's degree, it can be accomplished in one year.

The physical education classes are elective courses which form part of an integrated supervised physical education program in which students participate in a variety of activities, including competitive sports and recreational activities, which are designed to develop and maintain a healthy body.

Participation is not limited to athletes but to all students interested in improving their physical fitness and developing their skills. Participation is recommended for all students, regardless of their athletic ability or previous experience, as it provides an opportunity to develop an appreciation for physical activity and to learn important life skills, such as teamwork, leadership, and sportsmanship.

The Tech

Brattle Theatre

Harvard Square TR 4-6126

Today and Sunday

"The 41st"

First Prize 1957

Cannes Film Festival

Starts Sunday

Fernandel

"3 Feet in a Bed"
SlotPutting 'Omph' In '58 Tech Show

The origin is well under way for this year's Tech Show, MIT's wholly student-directed musical comedy, according to Mike Intelligente '59, General Manager. The show will have a "more integrated kind of plot and added Omph!" he said. Intelligente asked his Business Manager Bill Long '58 to plan to take the show on the road and play two other schools after the February 28, March 1, and 8 performances in Kresge Auditorium, Smith, Fyss Museum, and Cornell are being considered for the tour.

COMPUCENT (Continued from page 1)

...the IBM 7090. This machine fills a 40-by-60-foot room in which the temperature and humidity will be held within narrow limits. The air-conditioning system will serve the computer and another unit will ventilate the lecture hall and provide ventilation throughout the rest of the building.

Office of more than 30 members of the staff of the computation center are in nearby rooms. The floors directly above the computer center will be occupied by the Research Laboratory of Electronics, and most of the space on the top floors will be taken by the Laboratory for Nuclear Science. The Research Laboratory of Electronics is an interdepartmental laboratory for the Departments of Electrical Engineering and Physics. It has a staff of about 300 persons, including about 250 graduate students and a number of undergraduates who do advanced work. It is one of the world's leading centers for the study of communication theory and its many applications.

The Laboratory of Nuclear Science, which averages the School of Science, has a staff of 300. About 90 students work in this laboratory. It has many facilities for the study of both high-energy and low-energy physics and is engaged in many important, unclassified research projects for the Office of Naval Research and the Atomic Energy Commission.

None of the work assigned to the new computer will be secret and there will be no restricted areas in the new building. It will be used to bring workers to the frontiers of knowledge; into closer proximity to assure maximum collaboration.

One of the new building's unusual features is that power lines are run through it vertically rather than horizontally. This has been done so that equipment drawing hundreds of amperes could be used in any part of the building without interrupting temporary cables through the corridors.

Apparatus which will be housed in the Karl T. Compton Laboratories will include the devices used for the study of molecular beams, and microscopically and electrically shielded cages used in neurophysiological studies. Such heavy installations as the synchrotron and the Van de Graaff generator of the Laboratory for Nuclear Science will remain in other buildings nearby.

Prof. Philip M. Morse is director of the Computational Center. Prof. Jerome B. Wiesner is director of the Research Laboratory of Electronics, and Prof. Martin Deutsch is chairman of the Research Laboratory for Nuclear Science. Others who will have offices in the new building will include Dr. F. W. Verak, assistant director of the Computational Center; Dr. D. G. Harvey and Dr. Henry J. Zimmerman, associate directors of the Research Laboratory of Electronics; and Dr. Peter T. Denes, associate director of the Laboratory for Nuclear Science, and Dr. Fred Lippling, executive director.

Flourishing the headquarters of these laboratories in the new building will make it the hub of research work that extends throughout the world. Computation fees for the International Geophysical Year will be made on the new computer. Other computation assignments are made to the Research Laboratory of Electronics, and photographic and other data regarding cosmic rays, subnuclear particles, and other physical phenomena are being sent to the Laboratory for Nuclear Science from many labs.

Enrollment Up

Total enrollment at the Institute will reach an all-time high of about 9,000, when 250 undergraduates and graduate students officially register Monday, according to an administration spokesman.

The student body will again be the most cosmopolitan in the country, with a foreign student population of over eleven per cent.

RushWeekNonentity

Lance Meadowbrook Is Back For Third

Lance Meadowbrook, MIT's most famous rusher, once again found his way to the Cambridge campus to participate in the 1957 Rush Week festivities.

Meadowbrook, who for the past three years has been a name in IFC files, even paid the two dollar registration fee and faithfully turned in schedule cards for his five days of rushing. No one, not even Fran Fasett, is quite sure who he is, but the fact that he returns every year seems to show that he is quite impressed with Tech fraternityes.

The last report, "The Tech" received on Lance was Wednesday night, when a reporter came across a notice on the IBM 7090. The first line read, "Lance Meadowbrook has pledged Delta Delta Delta."

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