

## JACK RICHMOND OF CASA LOMA TO BE FEATURED AT I.F.C.

Clevelanders and Alabama Aces  
Expected To Draw Crowd  
At Prom

## SLAPPY WALLACE DANCES

For the Interfraternity Conference Dance, which will be held next Friday evening, the committee has obtained the services of Jack Richmond, former star of the Casa Loma orchestra, who is being co-featured with the Clevelanders. This smart dance orchestra was formerly starred in the national radio networks, at which time they were playing over station WLW of Cincinnati. They are coming direct from a successful engagement at the Euclid Gardens in Cleveland. This is said to be one of the smartest bands to come East in the past few years.

### Jack Richmond To Sing

Jack Richmond is one of the foremost vocalists in the country, and will be remembered for his fine work with the Metropolitan presentations in Boston last year where he was the featured singer. In addition to Jack's singing, there will be the band numbers, vocals by the Clevelanders Trio, and ensembles in their own inimitable style.

(Continued on page four)

## Movies Of 'Giro, Early Airplanes, Offered By A.E.S.

### "Epoch-Making Flights", Army Air Corps Activities, To Be Shown

Movies of epoch-making flights in the early days of aviation, including those of the Wright Brothers, will be shown in one of the four reels presented by the Aeronautical Engineering Society at their smoker tomorrow night, at 7:15 o'clock in Room 1-190. Everyone is welcome.

Four reels will be shown; besides the historical subject mentioned above, there will be two of the Army Air Corps activities for the year 1926, and one reel made by the Autogyro Company of America.

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## Wrestling Tournament

### Open To All Students

Event: All-Technology Wrestling Tournament.

Date: December 8 and 9.

Time: Between the hours of 4:30 and 6 in the afternoon.

Place: Hangar Gymnasium.

Classes by Weight: 118 lb., 126 lb., 135 lb., 145 lb., 155 lb., 165 lb., 175 lb., and heavy-weights.

Weight Allowance: Three pounds at the time of weighing.

Time of Weighing: Thursday morning, December 8, between 10 and 12.

Length of Matches: Preliminary matches — 8 minutes. Final matches — 10 minutes.

Entries: Any student enrolled at Technology.

Eligibility: All above entries are eligible except men who have won varsity wrestling letters.

Rules: National Intercollegiate Wrestling Rules will prevail.

Awards: A gold medal to all first place winners in their respective weight classes.

## Who's Who At the I. F. C. Dance

### CHAPERONES

Prof. and Mrs. James R. Jack  
Com. and Mrs. Henry E. Russell  
Mr. and Mrs. Wallace M. Ross

### INVITED GUESTS

Dr. and Mrs. Karl T. Compton  
Mr. and Mrs. Horace S. Ford  
Dean Harold E. Lohdell  
Dean and Mrs. Vannevar Bush  
Dean and Mrs. William Emerson  
Dean and Mrs. Samuel C. Prescott

### SOCIAL COMMITTEE

Joseph L. Seligman, Jr., Chr.  
Louis H. Flanders, Jr.  
Charles J. Hunt, Jr.  
John B. Dunning  
Wesley H. Loomis, 3rd.

### USHERS

Walter F. Read  
John G. Borger  
John R. Burton, Jr.  
Walton H. Marshall, Jr.  
Cason Rucker  
Kenneth D. Finlayson

## BEAVER KEY STARTS NEW SPORTS CUSTOM

### Assign Men To Escort Teams From Contending Colleges

A new policy to have visiting sports teams met and escorted to the Institute was initiated by the Beaver Key Society at its meeting yesterday in North Hall of Walker, and men were assigned to several of the nearer games. Henry D. Humphreys, '34, and John G. Smith, '34, were assigned to meet the Newport basketball team on December 10; Reginald G. Murdoch, '34, and Harold E. Thayer, '34, are to meet the Union basketball team on December 20; and Edward P. Bromley, '34, and Robert E. Mann, '34, were assigned to meet the Norwich wrestling team on December 16.

Following the Rhode Island basketball game on December 17 a dance will be given by the Beaver Key Society, it was decided yesterday. Those chosen for the committee in charge were Walter W. Bird, Jr., '34, Chairman; Edgar B. Chiswell, Jr., '34, William H. Mills, '34, and C. Jack Hunt, Jr., '34.

## FACULTY CLUB HEARS PROF. JULIAN HUXLEY

### Believes That Population Will Eventually Be Controlled

Expressing the opinion that within another hundred years there will be a department of social health that will control the quantity and character of population, Prof. Julian Huxley, noted biologist and writer, discussed the possibilities of the control of social systems in an address before the Faculty Club yesterday noon. He expected the new department to be attached to the department of public health.

All our social problems, said the speaker, come either from the innate nature of man as controlled by his cells or from the social agencies which man has created, such as finance, transportation, and distribution. Both of these factors are subject to change, the first through applied biology, and the second through the usual means. Prof. Huxley considered it more interesting to study social structures than animal organisms, for there is a much greater chance to change the character of the social organization than the characteristics of the organism. He foresaw a problem of how man will spend his added leisure time arising from the changes, for both his education and the benefit of society, or at least not for the detriment of society.

## HOCKEY TEAM TO CLASH WITH B. U. IN OPENING GAME

Owen Will Address Combined  
Squads Today; Starred  
At Harvard

### FROSH GO ON ICE SOON

Technology's 1932-33 hockey team will make its first appearance on the ice a week from tomorrow night in the first of this year's annual M. I. T.-Boston University series. As the series is always hard-fought and close, hockey fans are promised a treat. Technology won last year's series, two out of three, in two close overtime games; and as B. U. has a veteran team this year, the series will be just as close.

Coach Duplin has been working hard to get the boys in shape for this game, and it is understood that the team offers fine material to work with. Captained by Johnny Hrones, the team has such men as Ranny Thompson, Fred Johnson, Ed Sylvester, Paul Daly, Roger Williams, and Morton Jenkins available for forward berths, with Frank Milliken leading the race for goal. With Bernard Lucey, Harry Egan, Hal Reynolds, Bill King, Jack Carey, Dave Mathias, and Bob McCauley all fighting for the defense position left open by Hrones, who has been shifted to center, competition will be keen.

In accordance with his desires to give the team all the attention possible

(Continued on page three)

## Expert Glassblower Demonstrates Skill Before Large Crowd

### W. T. Levitt Illustrates Methods Of Making Intricate Apparatus

One of the most skillful glassblowers in the country, Mr. W. T. Levitt, of the Corning Glass Co., gave a talk to a large audience in Room 10-250 yesterday afternoon at 4 o'clock. He demonstrated the use of various pieces of equipment in the construction of a fairly complicated apparatus, a type of reflex condenser, and actually made the whole piece during the last part of the hour.

Before the demonstration he briefly outlined the history of glassblowing and showed several slides illustrating the various stages of its development since the time of the Egyptian glassblowers. Old woodcuts of medieval alchemists indicate the complexity of the chemical research apparatus, and Mr. Levitt showed a complex distilling apparatus supposed to represent somewhat the more intricate type of middle-age laboratory equipment.

(Continued on page three)

## STUDENT WILL TALK ON CIERVA AUTOGIRO

At the regular weekly meeting this afternoon at 5 o'clock, the student branch of the American Society of Automotive Engineers will have the pleasure of hearing an authentic description of the trials of an inventor. Mr. Heraclio Alfaro, who is now a student in the Institute, will be the speaker, and his subject will be "The Development of the Autogiro".

Mr. Alfaro assisted Juan de la Cierva, inventor of the autogiro, in the development of the machine and will tell of his own experiences with it, as well as Mr. de la Cierva's trials and tribulations. After the meeting, officers will be elected for the coming year.

## KARL T. COMPTON CUP



This will be presented annually to the winner of the triangular regatta between Princeton, Harvard and Technology.

## BOAT CLUB ELECTS TWENTY NEW MEN

Schedule Announced At Same  
Meeting; Compton Cup  
Races April 29

At a meeting of the Tech Boat Club last evening, twenty new members were admitted and the schedule as it has been arranged to date was given out.

This season is the first in which there will be competition for the Compton Cup which was recently donated by the student body of Technology in honor of the Institute's president. Harvard, Technology, and Princeton will annually compete in the races intended to further the already pleasant relations existing among these institutions.

The new members included sixteen men who rowed on last year's junior varsity, 150-pound, and first freshman crews; two coxswains; a manager; and an honorary. The new members were the following: Hal L. McKeever, '34; John D. Moomaw, '34, and Alexander J. Rogowski, '34, of the jayvee crew; Stephen H. Rhodes, '33; Robert M. Jordan, '34; John D. Sweeney, '33, and coxswains Robert M. Emery, '34, and Laurence B. Stein, '34, on the fifties; and L. Guy Haines, '35; Willard F. Bixby, '35; Sam H. Seeleman, '35; James T. Killian, '35; Wesley H. Loomis, '35; Donald B. Wood, '35; Tom K. Graham, '35; Paul W. Daley, '35, and L. Everett Packard, '35, of the first freshman crew. Walter W. Bird, '34, manager, was also elected. The honorary member was Charles

(Continued on page four)

## T. C. A. WILL ORGANIZE FRESHMAN CABINET

The first meeting of the 1932-1933 freshman cabinet of the T. C. A., has been called for 5 o'clock today in the inner T. C. A. office. Letters advising of this meeting have been sent to sixty-five freshmen who indicated on their enrollment cards that they were interested in T. C. A. work, and to the fraternities, who may desire some of their freshmen to go out for T. C. A. work. Positions are not limited to those invited, however, and a cordial invitation to attend the meeting has been extended to any freshman interested in the work.

George E. Best, '34, is in charge of the Freshman Cabinet this year, and will preside at the meeting. The Freshman Cabinet meets once every two weeks to talk over methods of helping the freshman class, and really serves as a feeder to the Senior Cabinet of the T. C. A. Officers are elected, and the group carries on its own program of service to others.

## FIRST YEAR MEN MAY RENEW FIRE TO DISCARD TIES

Permission To Be Obtained from  
Fire Department and Rules  
Committee

### PLAN FRESHMAN DANCE

The renewal of the freshman bonfire, which commemorates the discarding of the cardinal and gray ties, seems almost a certainty after the first meeting of the freshman class officers held yesterday afternoon in the Faculty Reading Room of Walker Memorial. The only obstacles to the setting of a definite date are that permission is yet to be obtained from the Cambridge fire department and from the freshman rules committee. But according to a statement made by the first deputy of the fire department, in an interview with a TECH reporter, "The officers of the class should have no difficulty in obtaining a written permit from the Fire Chief."

### Holladay Implies No Fire

Louis P. Holladay, '34, the chairman of the freshman rules committee, is reported as quoting the rule that states that the first year can discard their ties in December only on the condition that they win Field Day otherwise they must be worn until the end of the first term. But he did not say whether the Rules Committee would enforce the rule to the letter.

The plan outlined by the freshman class officers was that the bonfire should be held some Monday afternoon right after Drill when all six companies are present. An organized match in the parking space where the ceremonies will be held, followed by a snake dance when the ties are thrown in the

(Continued on page four)

## Aldred Lectures Begin Tenth Year This Next Friday

### Aid In Coping With Practical Problems Is Aim Of Lectures

Next Friday will mark the opening of the tenth series of Aldred Lectures, which were founded in November, 1923, by John E. Aldred of New York, a prominent industrial engineer. There are five or six lectures a year in this series, which is limited to Juniors, Seniors, graduate students and members of the faculty because of the limited seating capacity in Room 10-250, where this first one by Edward A. Filene is to be held.

During his work in various fields of industry, especially in water power development, Mr. Aldred found that engineers often become confused because they are unable to link the theoretical knowledge and training gained in college with the practical problem at hand.

Desirous of remedying this situation, he conceived and introduced this series of lectures by men prominent in engineering, industry, and business, in the hope that the engineering student about to graduate might in some degree learn of the problems he will have to face after leaving school.

The course of lectures was at first planned to cover a period of five years, but was later extended for an indefinite length of time. The very first talk was delivered by Gerald Swope, '95, President of the General Electric Company. Vice-President Vannevar Bush of the Institute has co-operated with Mr. Aldred in the establishment of the series and in obtaining the speakers.

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Official News Organ of the Undergraduates of M. I. T.

MASSACHUSETTS INSTITUTE OF TECHNOLOGY

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It has been called to our attention that the use of the word "cohort" has been widely misapplied in the official, semi-official, and public literature of the Institute, to say nothing of the maunderings of your humbly apologetic correspondent.

In fact, this writer was guilty of the error only three or four short days ago. It would seem that we meaning our *consort* at a certain dance of which we were writing inadvertently said *cohort*.

Although we have no actual facts to back our statement, we have been told that several of the Institute's best have also done the same thing, although Mr. Webster explicitly states that a cohort is "Any band or body of warriors". We certainly are glad to be set straight on this matter, all right, all right, although we still think a cohort would be just the thing to take to some dances.

As a matter of fact, we had discarded the word *consort*, being under the impression, false perhaps, that a consort had something to do with a lot of old tubs. (Oh yes, we've read the Navy stories.) But perhaps that was the word we wanted after all.

While we are speaking of dances, we wish to pause momentarily to quote from the "Away From the Grind" column of Monday's issue. However, we hope the quotes will not draw any wrong inferences, but will take it in the same spirit of good clean fun in which it is given.  
 "... the formal Sigma Chi dance... Wednesday. Two hundred couples were in attendance, and enjoyed it." Boy, can we take it!

Now that the investigation of the Walker Cafeteria is a thing of the past, we have numerous little songs and ditties from the higher places to cast upon the desert air.

Arriving for the day's work, we found a charming little note tucked neatly into the box which read as follows:

"Dear Mr. Lounger,  
 Ed Wemple, august chairman of the late Walker Memorial Cafeteria Investigating Committee, must have been affected thereby. Monday noon he was caught trying to cut soup with a knife."

While we are refraining from adding the signature, same can be had by sending a stamped, self-addressed envelope to President Hoover, who will probably be much more delighted to hear from you than the lounge. All we can say is that if the soup was like that, just how did Ed treat the steak?

Open Forum

In opening its columns to letters addressed to the Editor, THE TECH does not guarantee publication of any communication nor does it necessarily endorse the opinions expressed. Letters on subjects of interest to the student body are welcome if signed. However, if the writer so desires, only the initials will appear on publication.

To the Editor of THE TECH:

In connection with the excitement occasioned by the recent candidacy of a young woman — a co-ed if you prefer — for the Presidency of the Freshman Class, I noted a statement that appears to me to be based on insufficient research. In an editorial you stated that this was the first time that a co-ed had ever been a candidate for class office at M. I. T. Reference to the file of *Techniques* that you doubtless have in your office will show that a Miss Helen M. Longyear was elected secretary of her class — 1909 — for two successive years.

This would show that a co-ed has been a candidate for class office and has been elected, also that she served so acceptably in office that she won re-election.

"OLD TIMER"

Directory Full Of Informative Facts About Students' Names and Nativity

USE OF MATHEMATICS IN GENETICS AHEAD

Mathematics Of Existence To Revolutionize Biology

In an attempt to change evolutionary data into mathematical formulae, Professor J. B. S. Haldane, British evolutionist now at Pasadena, has fostered a new science. By expressing in equations the progress of population, and the characteristics of the human race as it develops, he will have laid a strong foundation for mathematical genetics.

The experimental medium is the vinegar fly, for which Professor Haldane came to California for more data. Investigation has already revealed solutions to some of the mysteries of the gene, the hereditary unit of evolution. In breeding the flies, California Institute of Technology scientists have controlled the sex and type at will.

"Professor Haldane is one of perhaps three men working on this problem of mathematics in Biology," said Dr. Morgan, head of the Biology division of the California Institute. "It may be twenty years or more before we get very far, but we do need the assistance of mathematicians in working out the problems, for there are so many unknown elements in the equations."

Other pioneers in the field, besides Prof. Haldane, are Thomas Morgan, biologist; Richard Tolman, mathematical physicist; Dr. Theodor von Harman, physicist; Dr. E. T. Bell, mathematician; Prof. A. D. Michal, relativistic mathematician, and Dr. Seward Wright, biologist.

It is indeed unfortunate that we are again honor bound to refrain from divulging the name of the higher up who treated us to the rare occurrence of an opinion on Walker, past and present, but suffice it say that here we have the words of one really of importance in the affairs of men at the Institute, and we are not referring to the Institute Committee, either.

This one states that the whole business, smell and investigation, was caused by the activities of the fraternity men, who naturally toot the fraternity life at the expense of life in the dorms. Naturally the food at Walker is a salient point of attack.

This one also tells us, unofficially, of course, that he, personally, has no axes to rub where the cafeteria is concerned, except that he does wish they would use a different size pea. He claims that they have been buying this size by the barrel and carload ever since the cafeteria first came into existence, as far as he could see, and he is getting pretty tired of it. However, he didn't say whether he was for scaling the pea size up or down, and we neglected to find out, more's the pity.

Foreign Students Number 150; 46 States Represented This Semester

A study of the directory of students, a copy of which may now be obtained at the information office, yields some rather interesting facts. There are around twenty-eight hundred students in the Institute. Of these almost half, approximately thirteen-hundred and fifty, come from the state of Massachusetts alone. New York comes next, with a quarter as many, about three hundred and fifty. New Jersey and Pennsylvania run a very close third, claiming nearly one hundred and twenty students each. The states running next, in order of number of students, are Connecticut, Illinois, Ohio, Rhode Island, District of Columbia, and Maine. Each of these has at least fifty students at the Institute. There are but two states from which we have no representative; those are Nevada and New Mexico, two of the least populated states of the union.

The total number of foreign students is one hundred and fifty. About a sixth of them come from Canada, and almost as many come all the way from the United Socialist Soviet Republics. China is third in furnishing the quota of foreign students, with Cuba, Mexico, and India coming next in order. The two students who have come the greatest distance to attend the Institute are from Australia, which is almost exactly on the other side of the globe.

A survey of the names appearing reveals Smith as the leader, with twenty-eight. There are two who spell their name Smyth. Next in line are nineteen Browns and one Browne. Following soon after are sixteen Johnsons, one Johnsen, and two Johnstons. The Millers have twelve, the Allens, Whites, and Williamses have eleven each, and the Davises have ten. There are three groups of nine names apiece, four of eight, one of seven, and six of six names each. When we look through the directory hunting for colors, we find Green, Brown, White, Black, Gold, and even Coffey.

Some names which appear describe the occupations of the remote forefathers of those who bear the name. Thus we have Archer, Baker, Butler, Carter, Chandler, Cook, Farmer, Gardiner, Hunter, Mason, Miller, Smith, Taylor, and Wheeler. We have Rich and Poor, Hill and Valley, Cross and Pleasants, Wing and Bird, Long and Small, Woods and Groves, Spring and Brooks. By the time all of the peculiarities of the catalogue have been classified, there will probably be no names left in it at all, so with the great writer we say "What's in a name?"

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RUBBER STAMPS

TO accuse the Institute of shearing from its students all interests not directly in line with their subjects, is a serious thing. Yet we believe that the Institute is doing just that. We have general studies and a Humanities course to redevelop in the student cultural instincts and personality while in other departments this same school has been suppressed.

Let us take a typical student taking a forty-eight hour schedule. He came to the Institute with an active interest in music, perhaps with a desire to do some reading in psychology, perhaps with an intellectual curiosity which would prompt him to attend Ford Hall Forum or Lowell Institute lectures. He was keen of mind, thirsting for knowledge.

Soon, however, he found that while the Institute Faculty as a group is nominally in favor of broadening influences, the individual members of staff are far too imbued with the importance of their own subject, to believe that time should be sacrificed therefrom for outside activities. Where then can the student obtain those extra hours for these cultural activities, especially mid-term, when every instructor is exceeding his normal allotment on the excuse that he went pretty easy at the first part of the term? The answer the professor always gives is, "Your marks are the permanent record your employer will see, maybe these outside interests are of value, but they are intangibles. You had better let them go and catch up on your Institute work".

When, oh, when, will the Institute stop making rubber stamps out of its men, and really give more than lip service to the theory that industry needs broad men and not handbook engineers, that technical training, as Colonel Gow used to point out in Humanities, is but 15% of the total.

EXCEPT AT TECHNOLOGY?

IT is almost axiomatic that knowledge is never applied when it is first discovered. There seems to be some virtue in almost forgetting a fact, or in discarding an idea, before any practical use is made of it. Consequently when one hears a new but excellent suggestion one can be sure that it will not be used until it is no longer new, and probably not until there is some better idea ready to displace it from storage.

Of this nature is the suggestion made by Dr. Theodore A. Distler of New York University before the Eastern Association of College Deans and Advisors of Men. To the association he said, "All colleges which have selective processes of admission have no right to 'flunk out' a boy without assisting him in the next step of adjustment".

Dr. Distler recommended nevertheless, that the universities might go on flunking men out, but they should apologize, so to speak, by giving the poor laddies another chance. Now the idea of a second chance for the unlucky is an old one. There is a shiny new idea waiting even now to take the place of "second chance" in storage. Why not make sure the boys can succeed on their first chance before it is granted to them?

Dr. Distler advises having in his school of the second chance highly individualized courses and vocational training where necessary. Obviously, if one can individualize courses and detect the need of vocational training after a person has left college, one can do the same before the student leaves. Any one who doubts that individual aptitudes can be determined has merely to read of work recently done in that field — some has been done at the Institute — to have his opinion reversed.

Perhaps what should be done is this: a candidate for college should not be admitted unless he secures ratings high enough in appropriate admittance tests, to make it certain that he will not proceed to flunk out within the first year or so of his stay at the college. Courses should be fitted to the individual; no man would be allowed to take a course that killed him mentally by boring him to death. All this, however, will not be done. Instead a second chance scheme will be drawn up and put into inefficient operation.

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## FACULTY CLUB TO SEE FIRST NIGHT

### Opening Performance of John Galsworthy's "Pigeon" For Faculty

In pursuance of its policy of encouraging support of student activities, the Faculty Club of the Institute has bought all tickets for the "first night" of the coming Dramashop production, "The Pigeon", a product of the skillful pen of John Galsworthy. Although the established price of the tickets is one dollar, members of the Faculty Club and their guests may obtain them for seventy-five cents. The difference is being absorbed by the Faculty Club treasury.

John Galsworthy, recently awarded the Nobel Prize for 1932, scarcely needs introduction to those acquainted with modern literature. Generally known for his novels of English life, he is equally famous as a playwright. "The Pigeon" is the most timely of his plays, since it deals with the world-wide problem of charity and its administration, and treats it in a way which is at once humorous and sympathetic. Galsworthy is extremely popular in England, "The Pigeon" having been one of the outstanding successes of the English summer season.

Faculty Club applications for tickets should be mailed to Professor L. F. Hamilton, Room 2-325, M. I. T.

### More Co-eds Are Needed, Says Professor Rogers

It was the usual second-year English class. The time was somewhere after ten and before eleven. The day was Tuesday, and the instructor was the well-known Professor Robert E. Rogers. An air of expectancy filled the room. In the middle of a serious discussion of history, the eminent professor came right out with the statement that the male undergraduate body of the Institute would be much better off if the number of the co-eds attending the Institute were increased. Just what are we to make of that?

### A. E. S. OFFERS MOTION PICTURES OF AUTOGIRO

(Continued from page one)  
The glider has been put in flying condition, and over fifteen successful flights were made Sunday afternoon on the Coop Field. The society hopes to continue these week-end activities as long as the weather will permit; it has been very fortunate so far in having favorable wind direction the days selected for flying.

## T.C.A. Notes

Edward Gelus, '35, has been appointed assistant director of Boy's Work for the T. C. A. by the Executive Committee of that institution. He will be second in command to George R. McCaulley, '34. The Executive Committee also approved the appointment of John V. Sharp, '36, as assistant director of Church Relations. He will have temporary charge of this work, since Walter B. Sharp, '34, did not return. John Sharp has been engaged in arranging for a new type of poster to be placed around the buildings, advertising the services in various churches. Instead of each church issuing a separate poster, advertisements of several churches will be placed on one card to be issued by T. C. A. The cost will be borne by the churches.

Anyone who did not get a copy of the "Green Invasion" number of the "Intercollegian" may obtain one at the T. C. A. office.

### HOCKEY VARSITY PLAYS B. U. IN OPENING GAME

(Continued from page one)  
Coach Duplin has had moving pictures taken of practices, and will

show them to the men, pointing out their mistakes.

### Owen To Speak Today

Anxious to help the squad all he can, Professor George Owen, of the Department of Naval Architecture here at Technology, has asked his son, George Owen, Jr., player on the "Boston Bruins", and famous Harvard athlete, to speak to both the freshmen and varsity squads today, in Room 10-275, at 5:00. Owen won nine major "H's" at Harvard: in hockey, football, and baseball, and was an All-American football player there. He will speak on his experiences in hockey, and will answer any questions his audience may ask.

### Freshmen To Go On Ice

Meanwhile, the frosh have been practising shooting in the Hangar Gym for the last three Saturdays, and will go on the ice a week from tomorrow at 6:45 in the morning.

### Marry For Marks

According to a professor of the University of Oregon, all college students should be married, as this would tend to make for higher academic standing. The professor probably means that time put in chasing the wily "IT" and its followers could be more usefully put to study.

## EXPERT GLASSBLOWER DEMONSTRATES SKILL

(Continued from page one)  
Different Kinds of Glass

Mr. Levitt spoke of the many uses of glass and the types of glass suited for various purposes. Glass ranges in degree of hardness and quality of resisting heat from soda glass to quartz and pyrex, which have very low coefficients of expansion and resist great temperature changes.

Early methods of making glassware have persisted through the 19th century, with the advent of high temperature flames bringing about new developments. Having concluded his talk, Mr. Levitt adjusted the oxy-gas flame and constructed the reflex condenser, illustrating the bends, bulbs, and seals used in the making of laboratory glassware.

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Russia's Latest Film Triumph!

"TRAGEDY of DOSTOYEVSKI"

Based on the life of the author  
ENGLISH TITLES

## The Sports Desk

Vic Duplin is using a movie camera as a coaching aid for his hockey squad this winter. Pictures of several practice sessions have been taken, and will be studied by the players in an effort to discover their faults. The squad is turning out regularly, and Duplin is working the men hard in preparation for the match with B. U. next week.

We have heard an unusual number of fellows lately talking about the chances of Technology's ever having a varsity football team. Most of them seemed in favor of the idea, and cited California Tech, Carnegie Tech, and Case as examples of scientific schools which maintained grid-iron squads. They thought that even the work at the Institute did not take so much time that a football team was impossible. Our own ideas on the subject are neutral; there's much to be said for either side. But we wonder what the faculty's opinion is.

Judging by the recent cold spell, it looks as though the tennis tournament will never be finished. Only the final match remains, between Frank Koerner and Fred Feustel, seeded first and second respectively. If they do decide to play it off, we're willing to bet they won't be wearing white pants.

P. T. McCarthy's charges are shaping up pretty well for the opening game a week from this Saturday. Bob McIver and Red Steele seem to be proving equal to the task of filling Harry Johnson's place at center, and Tom Shaughnessy and Joe Oldham are doing fine work as running mates for Co-Captain Sysko at guard.

Some time ago a petition was circulating in the Dorms which called for an ending of classes at four o'clock in the afternoon. It was thought that this arrangement would allow the team sports to get in practice at more popular hours, and thus get more men to come out, especially the commuters. Well, we wish whoever started this move the best of luck, but...

### Phenomenon!

The Text claims that the human brain is a wonderful organ. It starts working as soon as we awake in the morning, and never stops till we get to school.



Chesterfields are Milder —

Chesterfields Taste Better



To make tobaccos mild and mellow for Chesterfield cigarettes, just about four miles of warehouses are filled with mild, ripe Domestic leaf, stored away to age for two years. The greater part of 90 million dollars is invested in these tobaccos. Is it surprising that Chesterfields are milder? That they taste better?

Everything known to Science is used to make Chesterfields right! They're mild—and yet They Satisfy.

# CALENDAR

Wednesday, November 30

- 6:00 P. M.—Band Rehearsal — "Aristocrats" — East Lounge, Walker Memorial.
  - 6:00 P. M.—Alpha Chi Sigma Dinner and Meeting, Faculty Dining Room, Walker Memorial.
  - 6:30 P. M.—Boston Signal Post Dinner, Grill Room, Walker Memorial.
  - 8:00 P. M.—Boston Signal Post World War Moving Pictures, Main Hall, Walker Memorial.
  - 9:00 P. M.—Quadrangle Club Meeting, East Lounge, Walker Memorial.
- Thursday, December 1**
- 5:00 P. M.—Banjo Club Rehearsal, East Lounge, Walker Memorial.
  - 5:00 P. M.—Institute Committee Meeting, West Lounge, Walker Memorial.
  - 7:15 P. M.—A. E. S. Public Smoker and Movies, Room 1-190.
- Friday, December 2**
- 3:00 P. M.—Aldred Lecture by Edward E. Filene — Subject: "The Engineering Mind in the Second Industrial Revolution", Room 10-250.
  - 5:00 P. M.—Radio Society Lecture by Hollis S. Baird on "Modern Developments in Television", Room 10-275.

## Second Rifle Team Wins From Y.D. Post In Very Close Meet

### Shapiro Leads Engineers With Score of 179; Swift of Losers Is Star

Technology's second rifle team won a close match last Friday from the Y.D. Post of the American Legion. The closeness of the match is indicated by the score which was 874 to 863. The M. I. T. sharpshooters were slightly inferior to the Legionnaires in the prone shooting, but in the off-hand position, with one notable exception, they were considerably better. This exception was Swift, high scorer in the match, who had the unusually good score of 93 in the standing shots.

The high scorer for Technology was Shapiro, with a total of 179, and Hall followed closely with 178. Outside of Swift, who scored 187, the Legionnaires did not score very high, the second best being Bennet's 172.

The summary of the match is as follows:

M. I. T.			
	Prone	Standing	Totals
Shapiro	93	86	179
Hall	97	81	178
Guerke	94	82	176
Howard	97	76	173
Hopkins	93	75	168
			874

Y.D. Post, American Legion			
	Prone	Standing	Totals
Swift	94	93	187
Bennet	98	74	172
Ekyel	93	78	171
Baker	98	71	169
Johnson	95	69	164
			863

## TENNIS TOURNAMENT FINALS THIS WEEK

Fred Feustel, last year's tennis captain, will meet Franklin Koerner, captain-elect for this year, in the finals of the tennis tournament, which will be held this week.

Feustel reached the finals only after he had beaten Robert Winters in a long, hard battle. This match went to five sets with Feustel winning out in the end. Winters almost duplicated the feat which Lieutenant W. E. Howard accomplished last year when he went through the whole tournament without losing a set for, until he met Feustel, Winters lost only three games. Feustel was seeded number two and Koerner number one.

Koerner did not have such a hard time reaching the finals and in the semi-finals he defeated James Eder, who was seeded number four, in two sets.

This coming match promises to be quite a battle, for both are excellent and very evenly matched players.

## T. C. A. ANNOUNCES OLD BOOK SALE

Books at greatly reduced prices, will be sold at the T. C. A. Book Exchange's annual sale of old and un-called for books. They will be priced at ten and twenty-five cents. A selection of good reference and fiction books are to be found.

## I. F. C. TO FEATURE JACK RICHMOND OF CASA LOMA

(Continued from page one)

In addition, there will also appear the Alabama Aces, one of the foremost colored Victor-recording bands in New York. This aggregation of hot-sweet colored musicians features the "Mammy of Jazz", Miss Lorraine Williams, formerly featured singer of Low Leslie's "Blackbirds". They come here ready to show their smart dance music and entertainment features to the dance and music lovers who enjoy that tepid Harlem rhythm. This band is coming direct from the Savoy Ballroom in New York.

### Snappy Entertainment Planned

Also for entertainment there will be the Four Blue Diamonds, a miniature edition of the Mills Brothers; Slappy Wallace, reputed to be the world's greatest tap dancer featured in Hot Rhythm on Broadway; and Al Brantley, who was with Ted Lewis for five years. All in all, in view of the large number of attractions, a large attendance is expected at the dance.

Contrary to the statement which was printed in Monday's TECH, President and Mrs. Compton will not be chaperones at the dance. They will however, be honorary guests. The complete list of chaperones, honorary guests, the committee, and the ushers, appears elsewhere in this issue.

## As We Like It

### HOLLIS STREET THEATER

#### "The Chillingtons"

This play may be variously interpreted. Perhaps it is intended to be a satire on stories of the "gentleman crook" variety; perhaps just an ordinary farce with the trimmings incident to certain phases of British society life. However, whatever the author intended, the net result is to leave the audience somewhat bewildered, slightly amused, and wondering how much of the third act will get by the censor.

Through three acts in a Surrey drawing-room we watch the troubles and intrigues of Topsy Chillington, society matron, erstwhile *madame de la maison de joie*, who, having contracted a paramour in the person of Major Hindmarsh, plots to get rid of Charles, her husband, who has just returned from a two years' sojourn in prison. A burglar breaks in; after stealing all the jewelry is greeted by Charles as an old comrade and invited to stay the week-end; is hired by Topsy to murder him for 5000 pounds, which is to be paid out of the estate. The burglar talks over the murder with his intended victim, who informs him that the house is mortgaged and about to be sold for debt. Charles recompenses him, however, by giving him Topsy's pearls, which turn out to be false.

Bops, Chillington's daughter, having just been thrown over by her fiancé, whose father objects to his marrying a convict's daughter, takes on the burglar. Finally all skip out, leaving poor Topsy and the Major in the street — Topsy's butler having stolen the genuine pearls.

The plot amounts to little; the ramifications and absurdities are the whole play. The actors, especially Viola Roache as Topsy, are plausibly impossible, although Charles' dry, whimsical humor is enjoyable enough.

## Man of Average Ability Outlived by Honor Students

### Expectancy of Life of Athlete Is Less Than That of Average Man

Honor men in college, according to a survey of forty thousand graduates between 1870 and 1905, suffer no ill effects from hard study; to the contrary they may expect to live at least two years longer than their classmates who are of only average ability. From this, one can conclude that the fellow who burns the midnight oil, gets 10 on every exam, is awarded scholarships right and left, and is the object of the pride of his professors and the envy of his frat brothers lives to tell his grandchildren and even his great-grandchildren all about it.

Athletes, on the other hand, like the good, die young. Their expectancy is slightly lower than the average graduate and therefore more than two years below that of the "magna cum laude's". This means that the he-man who crosses the finish line first to the accompaniment of "hip-hip" and "bravo" had better lay aside his suit and think seriously about his will and a pleasing grave lot. However, very recent figures show that of late his mortality rate has been much better than that of others, probably due to the increase in medical supervision.

## HOW TO GET JOB TOLD BY B.U. MAN

### Boston University College of Business Administration Prof.'s Method

Twelve Commandments for job hunters who wish to make a favorable impression are said by Professor Charles Bellatty of Boston University's College of Business Administration to be these:

1. Tap on an office door before you open it.
2. Enter with a pleasant look on your face.
3. Remove your hat, but don't put it on the desk.
4. Stand quietly at a respectful distance from the occupants of the office.
5. Don't be the first to offer to shake hands, either when you arrive or when you leave.
6. Don't pull up a chair unless you are asked to do so.
7. Try to be a good listener.
8. Don't slouch in your chair or lean against anything.
9. Keep your eyes off the papers on the office desk.
10. Don't show interest in telephone conversations.
11. Don't punctuate what you have to say with "See?", "Understand me?" or "Do you get what I mean?"
12. Don't stare about the office. But do look about you sufficiently so that when you have completed your interview you may get out again without knocking over a hat rack or stumbling into a putting conference on the big red rug of the boss' private office.

## FRESHMEN MAY REVIVE OLD BONFIRE TRADITION

(Continued from page one)

fire, will be on the program for the day.

Besides the discussion of the bonfire, the date for the freshman dance was definitely set for February 21. If the plans for the bonfire do not fall through, the cardinal and gray ties will be discarded at this event with the same elaborate ceremonies that marked last year's Freshman Dance.

## VARSITY RIFLEMEN IN MATCH FRIDAY

The varsity rifle team will attempt to make it three victories in a row when it meets the Garden City Club's rifle team in a shoulder to shoulder match next Friday, December 2.

It promises to be a close match, for the Garden City Club has a good team and our own team has shown in its last two matches that it is no push-over for anybody.

In its last two matches our team defeated the Marines 884 to 874 and the Y-D team of the American Legion 874 to 863. As our team wishes to keep its slate clean it will make a determined effort to win this match. In the last three years the rifle team has had six matches with the Garden City Club team and won four of them, which is a pretty good record.

The following men will comprise the Tech team:

Crick	Hopkins
Foote	Keeler
Gerke	Kiley
Hall	Rice
Howard	Shapiro

## THE EDITORIAL SPECULUM

### Brilliance Located

Tau Beta Pi figures reveal approximately 119 Seniors and Juniors eligible this year. However this writer is not concerned over Tau Beta Pi eligibility. The figures we do have may be compared and contrasted in such manner as to show the scholastic brilliance of the men in different courses. Pure science courses are out, because figures for them are not available.

Course I-A men are consistently the brightest men at the Institute, if we may trust the figures now compiled. Both of the Seniors in this course are in the first quarter of their class. Among the Juniors of I-A, an indeterminate number may be described as in the first quarter. Zero divided by zero to be exact.

Senior course eleven men are second in order of prominence. Two-thirds of them are in the first quarter of the class. One third of the Juniors are in the first eighth of their class. But then there are only three men of each class in the course.

The first really accurate figures are for the VI-A men. However the fact that this course is largely a picked one must be taken into consideration. One would naturally expect 60.7 per cent of that course to be in the first quarter of their class. Such is the achievement of the Seniors. The Juniors do a little better. Forty-two and nine-tenths per cent of them are in the first eighth of the class, in contrast with 30 per cent for the Seniors.

It is interesting to note that as a group the engineering courses rate higher than the whole class. Twenty-nine per cent of the Senior engineers are in the first quarter of the class. Course XV men are surprisingly out of the running for only 11.3 per cent of the Seniors are in the ranking group.

The group containing Course XV men has a rating of only 8.9 per cent which shows that the brilliant Technology man does not go in for Business Administration. (Perhaps most of the abler men will rise to executive positions in spite of themselves.) Neither does he go into engineering. Our figures amuse us. They show

## BOAT CLUB ANNOUNCES TWENTY NEW MEMBERS

(Continued from page one)

Peterson, who has driven the crew launch for a number of years.

The announced schedule is as follows:

- April 22  
Navy at Annapolis.
- April 29  
Compton Cup Race on the Charles between Harvard, Princeton, and M. I. T.
- May 20  
Cornell, Syracuse, Harvard, and M. I. T. at Ithaca.

In the Annapolis races each college is entering four crews, whereas in the Compton Cup Race competition Harvard will be the only university entering only three crews, for they have no fifties. At Ithaca no fifties will compete.

## CLASS WILL INSPECT WATERTOWN FOUNDRY

All those men taking Foundry this term who have not made the trip to the Walker-Pratt foundry in Watertown, will meet in front of the Foundry, Building 35, on Vassar Street, at 1:15 o'clock Thursday afternoon to make the trip. Those who have cars are requested to bring them.

Last week two of the classes made the trip to the plant, where gas, electric and coal ranges are manufactured. The groups are conducted through the plant by J. Francis O'Neill and Claude H. Clark, instructors in Foundry Practice at the Institute.

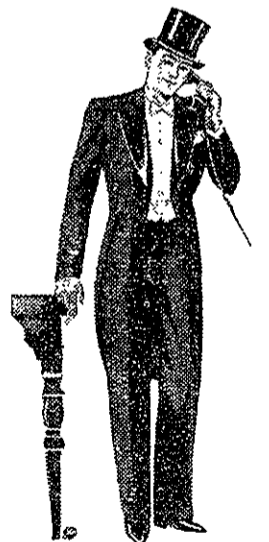
## DR. SIBLEY TO SPEAK AT HOMBERG INFIRMARY

One of the series of talks by members of the staff of the medical department will be given Thursday afternoon at 4 o'clock at the clinic of the Homberg Infirmary when Dr. B. E. Sibley will speak on "Kidney Disturbances". The talks of the series are on important pathological conditions found during the physical examinations that are given students in the fall.

that if 29.6 per cent of the Senior engineers achieve the first quarter of their class, and if 8.9 per cent of the other courses eligible for Tau Beta Pi also do, then 44.4 per cent of the pure science men are in the first quarter of the Senior class.

## READ & WHITE

### DISTINCTIVE DRESS CLOTHES FOR RENTAL



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## HOTEL BRUNSWICK BOSTON



## EGYPTIAN ROOM GOES MODERN

Fifth Transformation—Better Than Ever

LEO REISMAN presents HOWARD PHILLIPS with the new Hotel Brunswick Orchestra and famous radio singers in an entirely new setting

TONIGHT

## A "HALLELUJAH" of ENTERTAINMENT

The theater goes on — while you eat — while you dance — never stops! Dancing 6:30-2—No cover charge until 9 P. M.—No minimum