

Sigma XI Chapter May be Installed at the Institute

Petition to be Presented at
Meeting of Honorary
Fraternity

ENDORSED BY COMPTON

A petition seeking the establishment of a chapter of Sigma XI, honorary scientific fraternity, at the Institute, will be presented at the meeting of the national chapter of that organization this month. It is expected in official circles that favorable action will be taken, and that the new chapter will be organized next spring.

In the past an attempt has been made by members of the faculty who became members at other colleges to establish a chapter here, but the movement was never able to gain enough momentum to be carried out.

Because of the mistaken impression that Technology was purely an engineering college, men specializing in pure science could not be elected to an honorary fraternity, being ineligible for Tau Beta Pi.

Movement Widely Endorsed

The organization of a chapter of Sigma XI at the Institute has been heartily endorsed by President Karl T. Compton; Vannevar Bush, Dean of Engineering; Samuel C. Prescott, Dean of Science; and Harry M. Goodwin, Dean of the Graduate School.

The members and associates of the Society of Sigma XI and of the Institute faculty include 16 members of the Chemical Engineering Department, 8 from the Physics Department, 6 Electrical Engineering, 4 Mining, and one each from Military Science, Business, and Building Construction. 37 members of the teaching staff are members or associates of Sigma XI, as recorded on the petition.

NEW MACHINE AT ROUND HILL FIRST SHOWN TO PUBLIC

Equipment Develops Potential
of Seven Million Volts
at Demonstration

"Static electricity has been regarded for years as a mere laboratory toy, but in the future it will play an important part in the investigation of atomic nuclei," said President Karl T. Compton at the first public demonstration last week of the new Van de Graaff generator at Round Hill.

The potential of the new generator is limited by the hangar in which it is housed, since a thirty-five foot spark will jump to the building if given a chance. At the demonstration, a potential of 7,000,000 volts was obtained, which is the highest ever produced artificially. The estimated peak of performance is 10,000,000 volts.

Dr. Compton explained the history of the development of the electrostatic generator, and spoke of the large space necessary for satisfactory operation. The difficulties of producing high potentials by means of transformers involves great expense and difficulties of construction, he said.

Dr. Robert J. Van de Graaff, research associate in the Department of Physics at the Institute, designed the generator, basing it on fundamental principles. While at Princeton, he built a laboratory model of the machine which developed potential of more than 1,000,000 volts. Out of this laboratory machine grew the designs for the huge equipment at Round Hill.

DON PAUL TO PLAY FOR C. M. C. DANCE

Musical Clubs Will Use Posters
Which Won Prize Contest

Don Paul and his orchestra will play at the Combined Musical Clubs Christmas Concert and Dance to be held Friday, December 15 in Walker Memorial.

Contrary to an announcement made last week a professional orchestra has been engaged for the dance.

The posters which will be put up Wednesday were designed by a former student at the Rogers Building, and won the prize in a poster contest held some time ago by the Combined Musical Clubs.

Carlisle Offers Reward for Favorite Stray Cat

The black and white cat which made its home in one of the storerooms in the basement of Walker Memorial has been lost, according to William H. Carlisle, assistant director of dining service. Mr. Carlisle has apparently become so attached to the cat that he has offered a reward of one dollar for its return.

If the cat is found, dead or alive, and is brought to Mr. Carlisle's office on the second floor of Walker, the finder will receive the reward.

HOLD OPEN HOUSE IN E.E. DEPARTMENT

Dr. Van de Graaff Will Speak
On New Generator

Open House in the Electrical Department and lectures by Dr. R. J. Van de Graaff on the ten-million-volt
(Continued on Page 4)

Scene From "The Ivory Door," Given by Dramashop in Rogers Building This Week



DRAMASHOP PRESENTS "THE IVORY DOOR," BY A. A. MILNE THIS WEEK

Charles W. Ball and Phyllis M. Needham to Star in the First Play of the Present Season; Will Give Three Performances.

Dramashop will present A. A. Milne's play *The Ivory Door* on Thursday, Friday and Saturday evenings at 8:15 o'clock in the Commons Room of Rogers Building on Bylston street, Boston. Tickets which have been on sale for the past week are priced at \$1.

The use of the stage of the Commons Room has been given to Dramashop to present their plays. As the capacity of the room is very small, only a small number of tickets will be available.

For this play, the stage has been remodeled to facilitate the staging. A new switchboard has been built to help control the lighting, and a wooden grid has been constructed so that the border lights, the battens and the cycloramas may be hung more readily.

As is the custom, all the scenery was constructed by the stage staff. This includes designing the flats, building and painting them. The architects have been largely responsible for the color scenes of the scenery.

Professor Dean M. Fuller has directed this as well as other Dramashop presentations in the past. The cast for the play is: *Perivale*, Charles W. Ball, '34; *Lilia*, Phyllis M. Needham, '36; *Brand*, Philip H. Dreisgarher, Jr., '37; *Chancellor*, Ralph D. Morrison, Jr., '36; *Captain*, Henry A. Cashman, '34; *Mummer*, Mortimer Rosenbaum, '35; *Rollo*, Samuel A. Rulon, '35; *Titus*, Frederick R. Claffee, '37; *Carlo*, Charles H. Ross, '35; *Anton*, Thomas L. Blakeman, '36; *Simon*, Herbert A. Morriss, Jr., '34; *Beppo*, Theodore O. Kresser, '34; *Hilary*, Gerold C. Rich, '35; *Prince Perivale*, Lincoln R. Clarke, Jr., '37; *Anna*, Landon P. Bunker, '35; *Thora*, Virginia D. Davidson, '34; *Jessica*, Frances C. Blackwood, '37; *Citizens*—Irwin Sagalyn, '37; Leonard A. Seder, '37; Jerome E. Salny, '37; Harvey F. Philpard, '37; Kathleen S. Shott, '36.

Sixteen Elected to Tau Beta Pi

Three Juniors Among Students
to be Initiated Into
Honor Society

Sixteen newly-elected members of Tau Beta Pi will be initiated into the honorary fraternity at a banquet to be held in the Grill Room of Walker Wednesday evening at seven o'clock. All members of the organization who are at school are invited to attend.

Tau Beta Pi is a national honorary engineering fraternity. It picks its members on the basis of scholarship and participation in activities, and only from the fourth and third years of the engineering courses.

The men elected are the following: Juniors—John B. Ballard, Thonet C. Dauphine, and John D. Hossfeld; Seniors—John C. Barrett, George E. Best, John G. Berger, Arthur L. Conn, Robert N. Eck, Arthur B. Ellenwood, Jr., Charles F. Feuchter, Miles V. Hayes, James B. Kendrick, E. Philip Kron, George R. McCaulley, Henry C. Miller, Jr., and George W. Patch, Jr.

ENGINEER HOCKEY TEAM OPENS SEASON WITH 1-0 VICTORY OVER B. U. SIX

Graphologist Is Feature at Dance

Dormitory Christmas Hop Will
Have Oriental Setting
for Mystic

An oriental setting, with all the turbans and crystal glasses will be the decorations for Herman E. Penn, expert graphologist, at the Dormitory Christmas Dance to be held in Walker Memorial on December 8. Mr. Penn, who uses that name because his own is too difficult to pronounce, will be present to analyze the calligraphy of Technology men's fair partners. Upon his decision will depend the amount the escort will be taxed, ranging from \$1 to \$1.50. A cleverly arranged system will flash this amount in the crystal ball of the oriental mystic.

To clear up a misconception as to who may attend the dance, the committee yesterday announced that all students at the Institute are invited and are welcome to attend.

The main hall will be decorated in Christmas fashion, and to carry out the scheme, Santa Claus will appear to distribute prizes and goodies to the patrons.

Chaperones for the affair are: Mr. and Mrs. James R. Killian, and Mr. and Mrs. Ralph T. Jones. Guests are Professor and Mrs. George R. Harrison, Prof. and Mrs. William C. Greene, and Prof. and Mrs. Leicester F. Hamilton.

DR. KARL COMPTON ENTERTAINS FOR NOTED ARCHITECT

City Planner Will be Welcomed
When New Department
Is Announced

Sir Raymond Unwin, President of the Royal Institute of British Architects and visiting professor in the School of Architecture, will be the guest of honor at a dinner to be given next Monday evening, December 11. President Karl T. Compton announced. The dinner will serve as a public announcement of the new course in city planning, as well as a welcome to Sir Raymond, who is well-known as a city planner.

Invitations have been sent to distinguished architects and city planners of Boston and to specialists in these fields in other parts of the country, as well as to members of the Institute staff. "These invitations," said Dr. Compton, "will make it possible for those members of the staff who may be interested in this important new development of planned communities to meet and hear leaders in this work, and to participate in
(Continued on Page 3)

HUNSAKER WILL HELP STUDY OF FLYING HAZARDS

On Committee to Investigate
Aircraft Danger Due
to Electricity

Dr. Jerome C. Hunsaker, head of the Mechanical Engineering Department of the Institute, has been appointed the Technology representative on the Special Committee on Hazards to Aircraft due to Electrical Phenomena.

The committee was appointed by
(Continued on Page 4)

NEW COURSE IN VIBRATIONS WILL BE OFFERED STUDENTS NEXT SEMESTER

Will be Treated From the View-
point of Engineering, and
Will Not be Restricted to Any
One Particular Field

Offered next semester for the first time at the Institute, will be a course covering the general theory of vibrations, with Arthur C. Ruge, research associate in seismology, as instructor, and which will be known as "1136, Vibration Problems."

According to Mr. Ruge, with whom the idea for the course originated, the subject will be treated largely from the engineering standpoint, and in such a manner that it will not be narrowed down to any one particular field of engineering. It is being offered, he says, because it is felt that the course will fill a very real need of those men who expect to engage in engineering work of an advanced character.

"In modern engineering," says Mr. Ruge, "vibration has come to take an important place, whether the field be electrical, mechanical, acoustical,

aeronautical, naval, or civil engineering.

"Aside from the recording of sound in the motion picture and phonograph work, and similar acoustical problems, by far the greater part of the vibration study in engineering is concerned with the prevention (or at least the minimizing) of dangerous or undesirable vibrations and sounds. Industry has awakened to the fact that noise and vibrator cost real money, both in human and mechanical efficiency.

"Almost every engineer sooner or later is confronted with vibration problems of some kind. Wherever there is moving machinery, whether it be on a solid support or in a ship or airplane, there is vibration and noise."

The course will consist of three lectures a week and will be in charge of Mr. Ruge, who asks that those interested in the course consult with him in Room 1-238. Mr. Ruge became interested in this subject in Los Angeles, California, engaged in structural engineering work, and has been studying the problem at the Institute since 1931.

Goodwin Passes to Williams for Beavers' Tally

Captain Milliken Features in
Nets; Defeat of Last
Year Avenged

HRONES HURTS SHOULDER

In a game marked by Captain Frank Milliken's brilliant goal tending and the steady playing of the whole Engineer team, Technology's varsity hockey team opened its season last night by defeating Boston University's sextet, 1-0, at the Boston Arena, thus avenging last year's 6-1 defeat.

The Beavers' lone goal was scored by Roger Williams, on a pass from Herb Goodwin, mid-way through the second period. Goodwin picked up a loose puck in mid-ice, carried it over the blue line up to the defense, then passed to Williams, who coasted in on Wight, the B. U. goalie, and then drove the puck by him, for the only tally of the night.

The game started with both teams playing very cautiously, each taking long shots from the blue line or from mid-ice. Coach Owen started the second line of Thompson, Leman and Notman, with Goodwin, Daley, and Williams, the Beavers' first line soon replacing them. Milliken was called on early to ward off hard shots from the sticks of Lax and R. Smith. Both teams continued to play cautious hockey with Milliken and Wight having few saves during the remainder of the period.

After Williams' score in the second period, the Engineers went on the defensive, sending the puck down the ice at every opportunity. Late in the period Notman scored for Technology on a shot from the blue line, but it was not allowed, because one of his team mates was offside.

B. U. opened up considerably in the final period, sending four and five men down the ice at many times. The play on both sides became rough, with numerous penalties being called. Johnny Hrones was forced out of the game with an injured shoulder, while Wight, the B. U. goalie, received a bad gash on the face.

Frankie Milliken continued his good work in the nets, making several sensational stops to prevent the losers from tallying. The game ended with five B. U. men down the
(Continued on Page 3)

OPEN HOUSE FOR SPRING APPROVED BY COMMITTEE

Official Sanction Announced
by President Compton in
Letter to C. P. S.

The approval of Open House for next spring by the Executive Committee of the Corporation was announced by President Compton last week in a letter to H. B. Backenstoss, president of the Combined Professional Societies, under the direction of which the function is customarily held.

The date for Open House has not yet been definitely set, Backenstoss announced, although it will probably be held some Saturday near the end of April. Since it is a student enterprise in which the whole student body is eligible to participate, suggestions which any interested student may have should be given to the Open House committee.

Open House is an entirely student operated function, although financial support comes from the Institute. It represents an unexcelled opportunity for prospective employers of Tech men to see the students, particularly seniors, in a very favorable light.

Open House gives parents and friends of students here an excellent chance to see what the Institute is like on the inside. It has shown itself to be a definite aid in obtaining more and better students.

A Record of Continuous News Service for Over Fifty Years



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

MASSACHUSETTS INSTITUTE OF TECHNOLOGY

MANAGING BOARD

W. R. Churchill, '34. General Manager
W. L. Wise, Jr., '34. Editor
C. S. Dadakis, '34. Managing Editor
N. B. Krim, '34. Business Manager

ASSOCIATE BOARD

H. H. Dow, '35. News Editor
P. G. Herkart, '35. Features Editor
W. M. Ray, '35. Sports Editor
M. A. Porter, '35. Make-up Editor
D. Stevens, Jr., '35. Advertising Mgr.
J. D. Hossfeld, '35. Bus. Serv. Mgr.
J. D. Loomis, '35. Circulation Mgr.

EDITORIAL DEPARTMENT

Editorial Board
C. W. Finnigan, '34 W. H. Wood, '34
S. T. Martin, '34 D. V. Rubenstein, '34
P. Cohen, '34

Photographic Editor

W. H. Brockett, '35

Copy Writers

F. S. Peterson, '36 A. E. Hittl, '36
R. J. Marks, '36 R. L. Odiorno, '36
A. V. Mackro, '36 L. C. Young, '36

Sports Writer

W. H. Stockmayer, '35

Features Writers

P. H. Ware, '35 W. Craigin, '35
R. D. Morrison, Jr., '36

Photographic Staff

J. Gratz, '36 H. N. Tichnor, '36

Reporters

F. Baggerman, '37 R. E. Katz, '37
N. G. Bull, '36 F. Lessard, '36
J. G. Bryan, '37 N. F. Murphy, '37
J. H. Cook, '36 W. Penn, '37
W. M. Ready, '37 J. I. Hamilton, '36
P. Johnson, '36 C. J. Rife, '36

OFFICES OF THE TECH

News and Editorial—Room 3, Walker Memorial, Cambridge, Mass.
Telephone, University 7029
Business—Room 302, Walker Telephone, University 7415
Printer's Telephone, Liberty 3355

SUBSCRIPTION, \$1.50 Per Year

Published every Tues. and Fri. during the College year, except during College vacation
Entered as Second Class Matter at the Boston Post Office
Member Eastern Intercollegiate Newspaper Association

BUSINESS SERVICE DEPT.

B. B. Dayton, '36 R. G. Thompson, '36
A. Loomis, '37 P. Vogel, '37
W. T. Blake, '37 P. T. de Florez, '37

CIRCULATION DEPARTMENT

R. Driscoll, '36
R. S. Childs, '37 G. B. Wilkes, Jr., '37

ADVERTISING DEPARTMENT

Associate Advertising Manager
J. F. Notman, '35
I. S. Underhill, '36 R. Reichart, '36
R. C. Low, '37 J. Loder, '37
M. M. Waxman, '37 C. R. Kahn, '37
E. Koontz, '36 O. A. Fick, '36
W. W. Landsiedel, '37

In charge of this issue:

R. J. Marks, '36; E. C. Wirtz, '37

CHAIR MOVERS

JUST recently a member of the faculty remarked that perhaps this executive training which supposedly accrues from participation in extra-curricular activities doesn't add up to such a big sum after all. He had reason for the remark. A certain member of the Musical Clubs management with whom he was talking had just let slip that one of the functions of one member at least of the management was to move the concert-goers' seats around. The gentleman made no serious attempt to defend himself when accused that moving seats might be the management's prime function in the club.

Really, though, we hope no innocent freshman or Sophomore takes this frivolity seriously. For it is obvious, is it not, that the poise and dignity one becomes used to assuming when in managerial position more than compensate for the agility acquired. But the matter is actually a little deeper than that. The real proficiency gained is not in dealing with chairs but with people. Even if the manager makes every possible technical mistake he can, and the number he can make is numerous, that is of little importance, for what he learns about working with other people from the executive's position is what will count most after graduation, and if he is at all intelligent he will secure an appreciable advantage over the non-activity man.

GLORIOUS! GLORIOUS!

GLORIOUS! glorious! one keg of beer for the lot of us shouts and choruses will ring forth tonight as the nation celebrates the return of wine and song. Song will return along with the invigorating, sparkling liqueurs according to the musical experts of the country. Tonight will mark the rebirth of two arts, drinking and music. But there is yet another little fellow who will make his appearance as the hilarity increases. Who is this little fellow? Ask the harassed college Deans, or the policeman on the beat, or the social worker in the slums.

On the morning of the eventful night we do dislike to bring up such disturbing personality, yet the little fellow who we all know from his excessive personal habits is sure to pop up with a sudden alacrity which will startle the most hopeful believer in the success of repeal. During the past fifteen years we have seen surprisingly little of him, staggering about the streets in his usually varying moods: gleeful at one moment and ugly the next.

The problem of stinting the dwarf's growth is facing the authorities who are up against his continual frolics. The next few months will witness his adolescent growth. It will take some time for the corrective influence of public opinion to take hold and gradually starve him down to his former dwarflike stature. The next few months will see him putting in an unwelcomed appearance here and there. But, as America learns to drink sanely he will vanish back to Lilliput.

PROFESSIONAL INTEREST

IT HAS always been the policy of the Institute to promote among the undergraduates a live scientific interest in their work and in the work of their fellow students. A feature of this policy is represented by the professional society, which exists for the purpose of introducing students to their work from a professional viewpoint, and for providing opportunity for greater co-operation and morale.

The student A. I. E. E. convention here Saturday is a further extension in the same direction. Students from all the engineering colleges in New England will read papers written by themselves. Such a development is certainly one that will stimulate intense interest on the part of students, and will enhance the scientific and engineering interest they show in their professional work.



Dirty Linen

Visiting for a brief time that little-known establishment of pure creation, Dramashop, we found things, as usual, in the chaos of production. To those of our faithful readers who have followed things since the first time we went to a Dramashop rehearsal, it may be of interest to note that once more we have a Queen. To those readers who have been more sensible, if not so faithful, it may not be remiss to note that the former Queen was quite a factor in the Lounger's life, quite a factor. As a matter of fact, though, this one isn't quite up to the former standards. In ye olden times that Queen was so gracious as to hold our hand, with a lovely languishing glance, behind the scenes for a few brief rapturous moments. This year, however, we mournfully state that the present mummer gave us but a single cold haughty glance, and swept on, amidst a literal trail of dust, swished from the floor by her long and flowing train.

Long Underwear

We have never, in a life completely cluttered by clothes, seen so many, and localized on so few individuals. Clothes, clothes, clothes, and complaints from every direction. The long and short of it is that this play is a kind of phantasy placed away back in the days of kingdoms, duchies, and much paraphernalia for male and female. Not content with keeping to the surface of things, the cast has evidently carried the thing to a fine point. In fact, it is almost getting under their skin.

On every side we heard little of nothing beyond the number of underclothes this and that person was wearing. All of which was one readily perceives, hardly the conversation fitted for ears attuned constantly to the infinite innocency.

To Prove Our Point

Two of the cast, Miss Needham and Mr. Rosenbaum, the Queen and a member of the guard, respectively, seemed to be having the worst time of all. Mr. Rosenbaum appears with about ten pounds of angles dangling from his jacket, and claims that it is all too much for him. Although no metal can touch the skin, he wonders how all the boys and girls of the day got along with so much intimate hardware.

Miss Needham, as the Queen who deals with the common herd than did her predecessor, is very efficiently hampered with a tremendous array of white silk. Although we do not consider this to be a vital factor in the solubility with the common herd, it did seem to come in handy for catching on nails, getting under foot, and obstructing exits. The complete toot and scramble of the bridal costume is very fetching, but we, with our usual malice, thought only in terms of perversion of the adage: Bride goeth before a fall.

Portrait of the Master

One of the more complete touches was the sad and mournful tone of Professor Fuller as he directed the stage business.

As the curtain closed on the last act, it was discovered that only five of the cast had retained their costumes for a picture by a photographer for this paper. This was the last straw. Said Professor Fuller, very lugubrious. "Why don't they get it through their heads we're taking pictures? We've taken pictures before. They know we're taking pictures—so they all climb out of costume. They never seem to get anything through their heads."

"Now they're going home and we haven't even fixed the rehearsals. From the way it looks we ought to rehearse—" At this point the property men start things going and a loud fanfare of trumpets drowns him out. Silence. Prof. Fuller starts again. More trumpets. Prof. Fuller, as if his heart was about to break. "Won't somebody stop that man?" More trumpets, as the assistant stage manager scurries aft to see that the Master's will is done.

Exit

And so we close, amidst the lugubrious rantings of the director, the apathetic acquiescence of the cast, and the murmured reproaches of the Queen who exits mumbling vaguely about the terrors of "that Physics Quiz."

UNDERGRADUATE NOTICES

There are still several positions open to freshmen in the Combined Musical Clubs Management. A slide-rule with an initialled case has been found and it is now in the T. C. A. office.

GOOD PICTURES ADORN DECEMBER ISSUE OF "REVIEW"

Cover Shows Old Time Sailing Vessel Keeling Over In Wind

We can never say enough about the remarkable pictures consistently found in the Technology Review. However, this month they seem to impress us more than usual. To begin with, the cover is a well lighted and clear photograph of an old time sailing vessel keeling (or is it luffing) in the wind. But all we can do is sit, look, and gasp an occasional on or ah.

Then there is the table of contents with its airplane formations against cottony cumulus; Messrs. Edgerton and Gerneshausen with their superfast films of the fly in flight; accompanying the best-yet account of the Van der Graaff generator, the best-yet pictures of the same; and with our own very dear Dr. A. W. R.'s curious account of physical abnormality a shot of that well proportioned gentleman being totally dwarfed by one of those things standing along side. Bewildering to see the Doctor figure so little in anything.

Oh, yes. He also has included some gruesome Roentgen photos of skulls displaying their determined chins.

There is also a photograph of the Orozco frescoes in the Baker Library at Dartmouth. This one shows among other things a wildish man in a white night gown giving some mean looking snakes forty-eight hours to leave town (probably Patrick and the Erin Isle). He's a big meanie, however, because he appears to be no place to go except Out To Sea.

But, there. We could go on and on hours on end telling you what a bargain you are getting, but never fear, our editor won't let us do that. But this issue contains some remarkable pictures.

R. D. M., Jr.

OPEN FORUM

To the Editor of THE TECH:

The recent lynching of the two murderers of Brooke Hart, son of a prominent California department store executive, shows that the American people are finally coming to their senses. After being persecuted from time immemorable by murderers, kidnapers, and the like, the nation has reached the limit of its tolerance; the thing needed now is some method of eliminating these leeches and parasites from society.

Our fathers, as taxpayers, have had the costs of supporting criminals lying on their shoulders for years, and have paid little heed to the fact. Now, are we, as future lawmakers and taxpayers, going to give first degree murderers and kidnapers life sentences, and let them lol in the penitentiaries awaiting a chance to kill the guards and break their way out? Are we to sit back and pay in taxes part of the some two or three thousand dollars per year necessary to maintain a criminal in jail? These murderers appear, from a casual observation, to have an easier time in jail than outside of it. Inside they don't have to worry about where the next meal is coming from; they don't have to find a new place to live every few months, nor do they have to plan a way to knock some one over the head to get a new overcoat for the coming winter. Their food, clothing, recreation, and perhaps even a burial place are furnished them. And who pays for it? You do!

The death penalty is the only apparent remedy for murder. With this in effect, the criminal element will either live and learn, or die and think about it later. What we need now are some hardy, astute men who will take the problem under serious consideration, and who will act, and act efficiently.

J. L. C., '37.

AS WE SEE THE MOVIES

RKO KEITH'S

Little Women

The very much alive Katherine Hepburn portraying Jo, has been held over another week here, just as was the case when this picture played to a crowded house in New York. No more need be said.

S. T. M.

RKO KEITH'S BOSTON

Another sparkling program of RKO major vaudeville, with Johnny Marvin, "the lonesome singer of the air" and the team of Barto and Mann, comedians, topping the bill, is presented. A large staff of first rate performers complete the program.

On the screen, Ann Harding, in the "Right to Romance" furnishes the complement to a good vaudeville presentation. Miss Harding takes

Brother Alpha



There was a Big Führer in here recently to bring Brother Alpha a couple of Umlauts for Thanksgiving dinner. We thought he was a Local Boy disguised with a Nazi moustache, but he said he was in Heidelberg that time Brother Alpha put on the dress suit and went up there to get the Doctor's Degree. He said he was in the market for a couple of Abandoned Policies, if the price was right. Seems they had just made him a Kentucky Colonel, and he was planning to wear the Sabre all the time. So he was fixing to get him a couple of Policies, and then if there was any Discussion of His Policies he aimed to use anyhow the Flat of the Sabre.

We cooked up the Umlauts for Brother Alpha, but he was so worried he couldn't enjoy them, and finally he wandered off to the Tech Barber Shop to see if they had a Barber-Surgeon there.

This Week in Walker

Hitler his My Struggle will be in the library as soon as Our Censors have examined it for Nazi Propaganda. We had three requests for it in one hour, but we thought it might have been Herr Spanknobel himself in different disguises. Perfectly possible for him to slip in to Professor Fuller's office and represent himself as one of the Ivory Doors. We shall have anyhow two copies of this book, and if we can get some of this Nazi Gold we may have three.

William McFee his No Castle in Spain is Outside Reading for students of Humanities. It shows you how you could rescue a girl who was married to a Feudal Grandee in Bogota and at the same time induce her husband to throw in a Valuable Concession for the Company along with her. That's more than Joseph Conrad could do, because this McFee wasn't born on the good ship Erin's Isle.

Sirrid Under her Ida Elisabeth is the one the Intelligenz is standing in line for on account of the Yellow Label. Brother Alpha came home from the Drama Club meeting all ironed out flat. "People don't want to talk about the Steam Tables any more," he said. "Who is this Ida Elisabeth? Is she the one that makes the candy?" No. Brother Alpha, we said, she makes dresses, and this is that if a woman's husband leaves her two boys to bring up she can't expect much life of her own. Then you Rationalize that situation with some Don Byrne Philosophy and you imagine you are digging a long path through the snow to get to the Barn.

Alice Hobart her Oil for the Lamps of China is Humanities again and worth anybody's time. Of course every man has a Boss, whether it's the Gas-Führer, a Hearst Corporation or the Little Wife, and of course sometimes the boss is stupid. But beyond that Alice Hobart has the East. She doesn't just say East is East and drop it, she tries to answer the question What do you mean East? It's anyhow the best answer yet given.

Claude Houghton his Julian Grant Loses His Way is important only because when this Julian lost his way he wound up in the Future Life. There he was provided with materials for making his own Spiritual World, as, of course, we all are in any life. It was an Absolute Mess what he made, but of course if he got fed up with it he might want something better. And that's the hope that's in it, generally speaking. Orton his discussion of America in Search of Culture is something we stocked expressly for Architects in Cos For. The general ideal is that we can't make artists happy here till we are more concerned with finding out whether what we do is worth doing. Brother Alpha was impressed with the idea because he says an Architect called on him selling subscriptions to the Nation's Business, and would that be Worth Doing?

the role of a plastic surgeon specializing in the rehabilitation of faded faces. However, she cannot make over the emotions of a philandering young lover.

As a nice round of good amusement, this has pleased us as much as any.

S. T. M.

TECH MEN Breakfasts and Luncheons QUALITY FOOD AT REASONABLE PRICES LYDIA LEE

136 Massachusetts Ave. Opposite Aeronautical Laboratory

Boit, Dalton, Church & Hamilton

89 BROAD STREET BOSTON

INSURANCE OF ALL KINDS

Beaver Grapplers Prepare for All Tech Tournament

Great Interest Shown as Over Fifty Men Sign Up On First Day

MEET BEGINS THURSDAY

With over fifty men already signed up for the All-Tech Wrestling Tournament and with two more days remaining, for late comers to enter, Coach Jay Ricks stated that he expects one of the most interesting and hard fought meets that the Institute has ever seen. Only a few men who are not out for wrestling have entered the tournament but more are expected to sign up in the next two days.

Contrary to what was announced previously, the tournament is not being held on Dec. 8 and 9, but on the 7th and 8th. The winners in each class will be awarded medals immediately following the final bout on Friday night.

Tournament Is Annual Affair

According to Coach Ricks, these tournaments have been made annual affairs for two reasons, to promote and stimulate interest in wrestling and to give the men some experience before the first meet of the year. The tournament is open to any student in the Institute except lettermen. In view of the fact that this is solely a school event, the rules of the Inter-collegiate Wrestling Association will not be strictly followed.

No admission fee will be charged for spectators watching the tournament, which is being held in the Hangar Gym between 4.00 and 6.00 o'clock. Last year's lettermen will officiate as judges, and these include Poole, Oshry, Isbister, Marderosian, Judd, and McCaughan.

SPORTS COMMENT

It was with delight that we received the news that George Owen had been named by the Advisory Council on Athletics to coach the hockey team until Vic Duplin returns from an extended business trip to Georgia. Owen is familiar with Technology; when he was a member of the Boston Bruins he spoke on several occasions to the hockey team and gave them pointers on their play.

Owen is a graduate of Harvard, and is probably one of the best athletes ever to graduate from that institution. While there he collected nine major "H's" in football, baseball, and hockey. Upon graduation he quickly signed to play on the Boston Bruins' professional hockey team, where his stellar work on the defense was for several years one of the big features of the team. He will take over all of Duplin's duties until the latter returns, probably some time in January.

Indoor track practice has already started, and Oscar is putting the candidates through their paces in an effort to pick out the best men to represent Technology when the season really starts after Christmas vacation. Beginning December 16, weekly handicap meets will be held, as has been the custom in the past. Nearly all of the veterans of last year's team will be back, and included in their number are Captain Dick Bell, I. C. 4-A indoor sprint champion; Walter Wrigley, Rees Schwartz, Dick Jarrell, and Mel Sousa, members of last winter's relay team; and from the freshman team of last year Stanley Johnson, Henry Runkle, Stan Hitchcock, and Ray Svenson are coming up; and from the cross country team of this fall there will be Mort Jenkins, Bob Mann, John Talbert, and Tom Blair. Jenkins, who will be doing his first indoor work, should from all indications be one of the best men Oscar has. From these men Oscar will draw the main sources for the team which will compete in the Millrose Games, the B. A. A. Games, and the I. C. 4-A Indoor Championships.

There is a lot in the way which psychology is applied to a team in any sport. The incident to which we are about to refer pertains to basketball. It seems that the Runkle dormitory team, long famed as undefeatable in the dormitory league, and having a pretty good reputation as far as outside games are concerned, at last decided that it should distinguish itself by wearing uniforms, and accordingly bought itself some startling cardinal jerseys and shorts, with RUNKLE emblazoned on the front in neat grey letters. The night they first wore these they played a team from Hayden, and, although they had won their first game by an overwhelming score, something must have happened, for the mighty Runkleites lost by the score of 20-16. We wonder if the uniforms were responsible.

But Runkle was not the only team to fall from grace. The graduates, expected to be the finalists with Runkle at the end of the season, were vanquished by a small but scrappy team from Bemis. The only undefeated team in the league at present is Hayden, which has won three straight, but Hayden has not yet met the graduates.

Tentative Boxing Lineup Announced

Final Selection Will be Made Three Days Before Harvard Meet

Although the final boxing team which is to compete with Harvard on December 15 has not yet been definitely chosen, Coach Tommy Rawson has drawn up a tentative line-up in which are the most outstanding boxers in each class at the present time. The final team will not be chosen until two or three days before the meet. Selection will be made on the basis of regularity of attendance, boxing ability, and physical condition at the time.

The tentative list as posted on the hanger gym bulletin board is as follows: Goldsmith, 115 pounds; Muldowney, 125; Wetherill, 135; Carey, 145; Malmstrom, 165; Collins, 175; Jewett, heavy. This is by no means the starting line-up but according to Coach Rawson at present time these men show the most promise.

BRITISH ARCHITECT TO BE GUEST HERE

(Continued from Page 1)

the welcome to Sir Raymond."

Sir Raymond will lecture this winter in the course in city planning, which has just been established in the School of Architecture through the co-operation of Mr. Thomas Adams. Mr. Adams' son, Frederick J. Adams, is in charge of the course.

EXAMINATIONS

Students who are able to review complete notes a much better prepared for examinations. With ABC Short-hand, which is quickly learned in 12 easy lessons, you can take lecture and reading notes verbatim. Complete course for sale for \$1.00 at HARVARD CO-OPERATIVE SOCIETY Technology Branch

HOCKEY TEAM SCORES 1-0 VICTORY OVER B. U.

(Continued from Page 1)

ice, unsuccessfully attempting to tie up the score.

Paul Daley, Herb Goodwin, Ed Sylvester, in addition to Milliken, were the outstanding performers for the Beavers during the evening, while Lax, Rowe, and Lucey starred for B. U.

The summary: TECHNOLOGY—BOSTON UNIVERSITY Williams, L.W. R.W. R. Smith Daley, G. Lax Goodwin, H.W. Rowe Sylvester, I.D. Lucey Hromos, R.D. Ullman Milliken, S. Wight Spares: Technology—Thompson, Lemay, Norman, Mathias, Johnson, Priscoll, Forsberg, Mayo, Reynolds, Meyer, Parker, Healey, Kenney, Berger, Boston University—Borofsky, James, J. Smith, Gaut, Rosenfelt, Raebotes, Hartigan, Levine, Pierce, Nickerson, Wesson, Scammell, Taylor. Goal—Williams. Assist—Goodwin. Time—Three 20-minute periods.

UNDERGRADUATE NOTICE

In order to discuss the enforcement of the freshman tie rule and to arrange for the approaching freshman prom, James R. Thompson, '37, president of the freshman class, has called for a meeting tomorrow at 5 o'clock in Room 2-136, of all freshman class officers and section leaders. Attendance is compulsory.

LATE MODEL
Tuxedos
To Rent
\$1.50
With Silk Vest
All Suits One Price—
Clothing
Complete Outfitters
CROSTON & CARR CO.
72 Summer Street, Boston



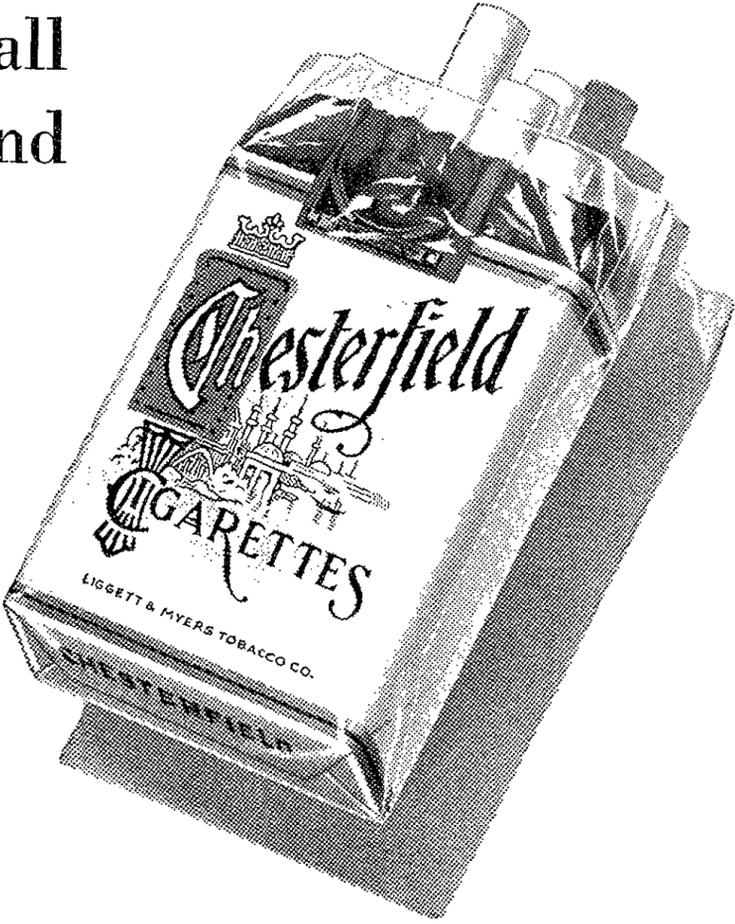
3 — about Cigarettes

Not so long ago practically all cigarettes were made by hand

Now, Chesterfields are made by high speed machines that turn out 750 cigarettes a minute, and the cigarettes are practically not touched by hand.

By the use of long steel ovens—drying machines of the most modern type—and by aging the leaf tobacco for 30 months—like wine is aged—Chesterfield tobacco is milder and tastes better.
Only pure cigarette paper—the best made—is used for Chesterfield.
And to make sure that everything that goes into Chesterfield is just right, expert chemists test all materials that are used

in any way in the manufacture.
Chesterfields are made and packed in clean, up-to-date factories, where the air is changed every 4½ minutes. The moisture-proof package, wrapped in Du Pont's No. 300 Cellophane—the best made—reaches you just as if you went by the factory door.
In a letter to us, an eminent scientist says:
"Chesterfield Cigarettes are just as pure as the water you drink."



"Chesterfield cigarettes are just as pure as the water you drink"

CALENDAR

Tuesday, December 5

- 4:00—American Society of Civil Engineers Motion Pictures, Room 10-250.
- 5:00—Army Ordnance Association Meeting, Room 3-270.
- 5:00—Burton Dinner Club Dinner, Grill, Walker Memorial.
- 5:00—Banjo Club Rehearsal, East Lounge, Walker Memorial.
- 7:00—Tech Show Tryouts, Walker Gym.
- 7:00—Rehearsal for "The Ivory Door," Commons Room.
- 7:30—Sigma Chi Fraternity Basketball Practice, Hangar Gym.
- 8:00—Sunday Evening Club Dance, North Hall, Walker Memorial.

Wednesday, December 6

- 3:00—Medical Aptitude Test, Room 2-132.
- 5:00—Debating Society Meeting, Room 3-330.
- 5:00—Christian Science Organization Meeting, Room 10-200.
- 5:00—Aristocrats Rehearsal, East Lounge, Walker Memorial.
- 5:00—Freshman Class Officers Meeting, Room 2-136.
- 5:00—Unity Club Meeting, West Lounge, Walker Memorial.
- 6:00—Tau Beta Pi Initiation, Faculty Dining Room, Walker Memorial.
- 6:00—Graduate Hall Dinner Club Dinner, North Hall, Walker Memorial.
- 7:00—Rehearsal for "The Ivory Door," Commons Room, Rogers, Building.
- 7:00—Tau Beta Pi Dinner, Grill, Walker Memorial.
- 7:00—Dormitories Basketball, Walker Gym and Hangar Gym.

Thursday, December 7

- 5:00—Liberal Club Meeting, Room 4-231.
- 5:00—Banjo Club Rehearsal, East Lounge, Walker Memorial.
- 7:00—Dormitories Basketball, Walker Gym and Hangar Gym.
- 8:15—Dramashop Play, "The Ivory Door," Rogers Building.

COMMUTERS START BOWLING SEASON

Eight teams representing the suburban Boston communities will open the season of the Commuters' Association Bowling League at 5 o'clock tonight in the Walker Memorial Game Rooms. There will be a match twice every week, each team competing every other week.

So far teams representing Arlington, Belmont, Medford, Melrose, Newton, Watertown, West Roxbury and Winchester are entered. More teams and more team managers are wanted.

RADIO CLUB WILL MEET ON FRIDAY

Dr. F. S. Dellenbaugh, vice president of the Raytheon Production Corporation, will address the Radio society Friday on "The Design of Power Supplies." The meeting will be held at 5 p. m. in Room 10-275.

Dr. Dellenbaugh was formerly a professor in the Electrical Engineering department here, and has spoken to the Radio society previously. He is well known among amateur radio operators for his studies in power supplies and filter systems for radio transmitters.

HOLD OPEN HOUSE IN E. E. DEPARTMENT

(Continued from Page 1)

electrostatic generator and by Mr. C. A. B. Halvorson of the General Electric Company on the "New Sodium Arc Light" will feature the first student convention of the Technology Branch of the American Institute of Electrical Engineers, to be held here this Saturday. The convention is the first of its kind to be held in New England, in that it will be a student convention, with papers presented by students.

Dr. Van de Graaff will describe the experimentation at Round Hill, and will describe the applications and uses of the giant generator.

Hold Open House in Laboratories

Following this lecture the visitors, who will be from all the engineering colleges in New England, will see the electrical laboratories being operated by students. This will amount to Open House in the Electrical Department.

President Compton will open the convention Saturday at two o'clock. Following his address student papers will be presented. A prize has been offered for the best paper. Dr. Van de Graaff will then speak, and the laboratory inspection will follow his address.

The convention will continue with a six o'clock dinner in Walker. Mr. Halvorson and his assistant will then present a lecture and demonstration of a sodium arc lamp recently developed. The lamp has been found to be about three times as efficient as the ordinary electric lamp. It produces a monochromatic or single-color light to which the eye is very sensitive, and enables motorists to drive without lights at night on highways illuminated by it. A trial installation will probably be made at the clover-leaf intersection near Revere.

Tickets for the dinner may be obtained from members of the A. I. E. E. The charge is fifty cents to members and seventy-five to non-members.

A. I. M. E. STUDENT CHAPTER FOUNDED

All Members Required to Become Student Associates

The Mining and Metallurgical Society of Technology has become a student chapter of the American Institute of Mining and Metallurgical Engineers, this being the first student chapter of the professional society in the country.

In order to be admitted to affiliation all of the students in the local society were required to become student associate members of the A. I. M. E.

A meeting of the chapter will be held at 5 p. m., Thursday, in Room 8-205. All interested are invited to attend.

FEW TICKETS TO I. F. C. BALL LEFT

The 150 tickets to The Interfraternity Conference Dance at the Barclay Club have almost completely been sold, according to William H. Mills, '34, chairman. Persons wishing tickets may get them from him or from members of the committee.

The dance will be held from 10 to 3 o'clock, with music to be furnished by Ruby Newman's orchestra. The subscription price has been set at \$2.75.

BOAT CLUB HOLDS BANQUET ON DEC. 6

The Boat Club will hold a banquet to initiate new members tomorrow at 6:30 p. m. at Nan's Kitchen. Doctor Rowe, Bill Haines, and Al Dunning are to be the speakers.

INFIRMARY LIST

R. L. Emerson, Research Associate
H. E. Hayward
William A. Shea, '35

TECH MATRONS TO ENTERTAIN DAMES

The Technology Matrons will entertain the Technology Dames with a tea Friday, December 8, from 3:30 to 5:30 o'clock. Wives of the heads of the departments of Business and Engineering Administration, Geology, Mechanical Engineering, and Modern Languages are in charge of the entertainment. Mrs. Fales will serve as chairman.

Those who will receive are Mrs. Karl T. Compton, Mrs. Erwin H. Schell, Mrs. Vannevar Bush, the wives of the heads of the four departments mentioned above, Mrs. Katherine M. Wiswall (Dean Lobdell's mother), Mrs. Harold A. Lobdell, Mrs. Harold B. Richmond, Mrs. Godfrey L. Cabot, and Mrs. Arthur D. Little.

DR. HUNSAKER WILL AID STUDY OF AIR HAZARDS

(Continued from Page 1)

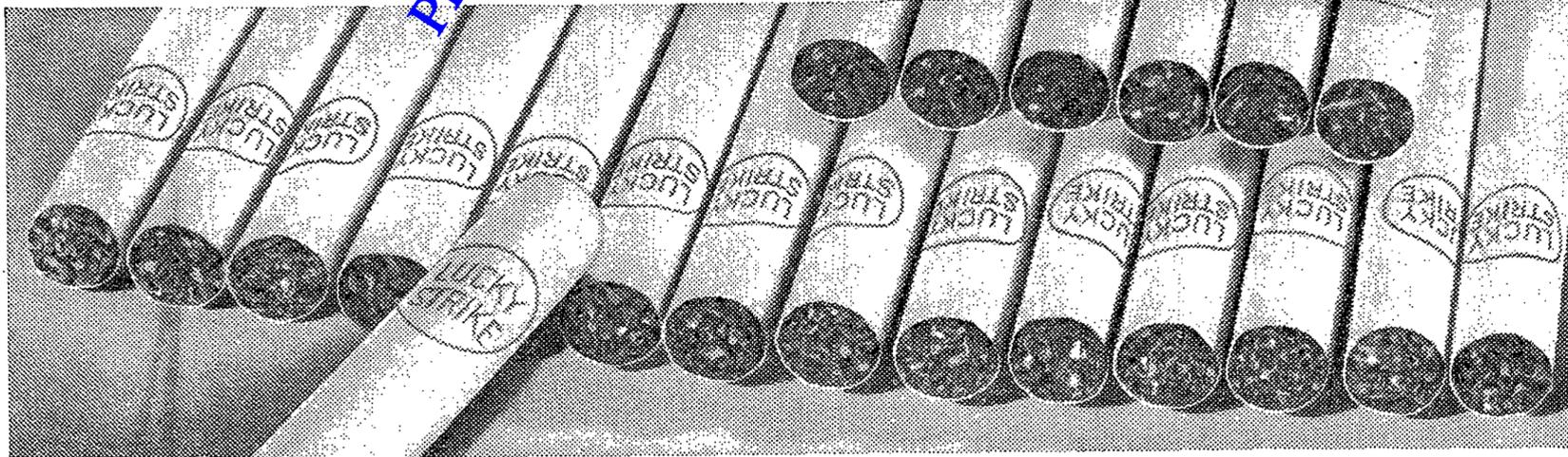
Dr. J. S. Ames, President of Johns Hopkins and Chairman of the National Advisory Committee for Aeronautics, at the request of the Navy Department. Its purpose is to review the whole field of electrical effects on aircraft, especially with reference to high frequency influences, and to make recommendations regarding a research program.

Composing the committee are the Chief of the Weather Bureau, the Director of the Bureau of Standards, and representatives of the Navy Department, Johns Hopkins and Technology.

TECH UNITY CLUB

PROF. MAGOUN will speak
"Amo, Amas, Amat"
West Lounge, Walker
WEDNESDAY, 5-6
All Welcome

20 FULLY PACKED
Cigarettes
No Loose Ends



Copyright, 1933,
The American
Tobacco Co.

WHY LUCKIES ARE SO MILD, SO SMOOTH

Open a pack of Luckies and lay the 20 cigarettes side by side. You can't tell one from another. Every Lucky is round, firm and fully packed—with choice Turkish and domestic tobaccos. And

every Lucky is free from annoying loose ends. The tips are clean-cut—the tobacco doesn't spill out. That's why Luckies draw easily, burn evenly—and are always mild and smooth.

ALWAYS the finest tobaccos

ALWAYS the finest workmanship

ALWAYS Luckies please!

"it's toasted"

FOR THROAT PROTECTION—FOR BETTER TASTE