

## STALE PRINCIPLES HAMPER PROGRESS SAYS E. A. FILENE

### Old Truths Have No Place In Machine Civilization In His Belief

## BEGINS ALDRED LECTURES

by  
W. H. ROBINSON, '36

"Breaking away from tradition is mighty serious business. It would not be so difficult if the traditions were false. It is the 'tried and true' principles from which we must free ourselves if any progress is to be made."

These are some of the opinions of Edward A. Filene, Boston business man, economist, and president of William Filene's Sons Company, as given in his address on "The Engineering Mind and the Second Industrial Revolution" to members of the faculty and upperclassmen at the Institute last Friday afternoon, in the first of the Aldred series of lectures.

The point which he stressed in his talk was that we are thinking too extensively in "ox-team era", hanging on to the old ideas and truths which were valid in earlier ages, and from which we cannot now break away, although they obviously are not applicable to this "machine civilization".

### Business Not Co-ordinated

Mr. Filene deplored the lack of co-ordination between important divisions of business. He said: "You who are studying to be bridge builders, for instance, know that every part of a bridge must be built in harmony with every other part. If you are throwing out a span from one side of a river, you wouldn't think of using your best judgment as to where that

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## PROOFS SHOULD BE RETURNED AT ONCE

Today is the last day to return the proofs of Senior pictures to the Technique office. If anyone fails to return his proofs, the Technique management will choose the picture for publication which they believe is best.

## 'Home Television Will Be As Good As Movies', Baird

### Noted Engineer Demonstrates Cathode-Ray Tubes Before Radio Society

Hollis S. Baird, Chief Engineer of the Short Wave and Television Company, stated on Friday evening that he believed that with the new developments in cathode-ray tubes, television reception in the home would soon be as clear and defined as amateur cinema. Speaking before the Radio Society at 5 o'clock in Room 10-275, he demonstrated some of the cathode-ray tubes now in use for reception. Over one hundred members of the faculty and student body were present to hear his talk on "Modern Development in Television."

## COURSE XVII HOLDS SEMINAR TOMORROW

Discussion of Taxation as related to buildings will be on the program for the next seminar held by Course 17.41 on Tuesday from three to five o'clock in Room 5-226. A paper prepared on the subject will be read and then discussed at large by those present. Thomas F. Galvin, '33, will be in charge of tomorrow's meeting.

## A.I.E.E. Plans Trip To New Electric Station

### Society Emphasizes National Enrollment In Campaign For Members

A chance to see the largest mercury-vapor rectifiers in New England will be the feature of a trip to the Boston Elevated which is being planned by the student branch of the A. I. E. E.

The Newbury St. sub-station, which has been installed recently behind Massachusetts Station, uses mercury rectifiers, entirely, to convert the high tension alternating power it receives from the South Boston power plant before putting it on the rails as direct current. Another feature of this unique power distributing station is that it can be controlled entirely from the South Boston power house. It can, furthermore, be made to operate automatically, and can be left to itself as one would leave an automatic furnace!

### See South Boston Power House

Those who are going on the trip will meet in the main lobby at three o'clock on Wednesday, Dec. 7. The group will first proceed to the Newbury station, where they will be met by an engineer of the Boston Elevated. After becoming acquainted with this sub-station and its operation, the group will proceed to the South Boston power house, which supplies the power for the entire elevated system. Here again they will be shown around the plant. A point of interest will be the equipment for burning pulverized fuel. The party will disband here. The cooperation of those able to furnish transportation will be appreciated.

### Employment Subject of Meeting

The society also has other meetings planned. On Monday, December 19, Mr. Howard L. Davis will speak on the practical aspect of employment. Mr. Davis is the personnel director of the New York Telephone Company and author of the book, *The Young Man in Business*. Mr. G. Arthur Lowery, president of the club, says the meeting will be of interest to all classes.

National enrollment is being emphasized this year by the A. I. E. E. This membership includes the subscription to the magazine, *Electrical Engineering*; the opportunity to obtain all A. I. E. E. publications at reduced prices; aid from the A. I. E. E. employment service; and attendance at all A. I. E. E. meetings and conventions. Prof. Timbie believes this enrollment is valuable to Seniors and Graduates in particular.

Any men interested in making posters or otherwise handling publicity for the activity are asked to come around to the A. I. E. E. office in Room 10-203. The office is open every day from 12 to 1 o'clock.

## DECEMBER T. E. N. ON SALE WEDNESDAY

"Engineering and Economics", by Professor Edwin R. A. Seligman, is one of the many interesting articles featured in the December T. E. N. Professor Seligman is professor of economics at Columbia University.

Especially valuable to the Engineering student is this first of a series of articles to run in T. E. N. It stresses the advantages of a well-rounded education. From the resources of his own experience, Professor Seligman cites the definite need for supplementing a technical education with considerable understanding of business, economics, and personnel management.

The December *Tech Engineering News* will be on sale Wednesday, December seventh.

## MINERS TO BE SHOWN IRON MAKING PROCESS

Pictures on "A New Process for Making Wrought Iron", released by the Byers Company, manufacturers of wrought iron and wrought iron products, will be shown to the members of the Mining Society, at their next meeting, Thursday, in Room 8-205, at 5 o'clock.

Michael A. Kuryla, '36, will read a paper that he has prepared on silver mining. Mr. Kuryla is the son of a silver mine operator at Hidalgo, Mexico, and is well fitted for the presentation of this subject. The officers invite all interested persons to attend.

## Organization Of Tech Show Now Well Under Way

### Tryouts to be Held This Week For Chorus and Staff Positions

By W. R. SAYLOR, '36

Organization of the 1933 Tech Show was definitely launched today with the announcement that tryouts for positions in the chorus of the show will be conducted this Wednesday at 7:30 o'clock in the Walker Gymnasium.

Practically all the staff positions on the show are unfilled. Beginning today, candidates for the Junior and Senior positions of production manager, and stage manager, as well as technicians, costume and properties manager, and stage manager, as well as candidates for the offices of assistants in the various departments should report to the Tech Show representative in Room 301 of Walker Memorial any day after 5 o'clock.

### Positions In Chorus Open

Cast tryouts will be announced in the near future. According to Paul Lappe, '34, general manager of the new production, all of the chorus positions are open, and experience, though helpful, is not at all necessary. He further stated that the Tech Show, having no parallel among the other extra curricular activities at the Institute, affords the students partici-

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## BOEING TO AWARD SCHOLARSHIPS FOR AVIATION ESSAYS

### First of Four Prizes Comprises Course for Transport Pilot License

### OPEN TO COLLEGE MEN

Aeronautical scholarships totalling \$7,500.00 in tuition value are being offered for the fourth consecutive year to aviation-inclined students of universities and colleges by W. E. Boeing, prominent in the aircraft industry, it has been announced by the Boeing School of Aeronautics, located at Oakland, California.

Four college undergraduates who submit the best essays on aeronautical subjects to a national committee of award and who are able to meet necessary physical standards, will be given flying and ground training at the Boeing School at no tuition cost.

First prize is the W. E. Boeing Master Pilot Ground and Flying Course, covering 250 hours of flying and 924 hours of ground school, and exceeding qualifications necessary for a transport pilot license. Second, third, and fourth place winners may select thorough ground school courses, with the second award candidate also receiving flight instruction.

### Must Be Regular Student

Regulations of the scholarships specify that the candidate must be an undergraduate of this school in regular attendance and in good standing. Physical requirements are that he must be white, between the ages of 18 and 25, of average height and normal weight, with proper eyesight and devoid of any physical handicap.

The scholarship competition will close on April 15, 1933, and essay subjects selected by candidates must be approved prior to March 15, 1933. The candidate who is selected for the first award must be able to pass the Department of Commerce transport pilot license examination within 10 days after awards are announced. Three alternate candidates will be selected for possible awards in the

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## Six Years Of Dramashopping Gives Producing At Its Best In "Pigeon"

### English Student Who Toured Europe On Bicycle Gets Leading Role

by  
RALPH D. MORRISON, Jr.

With the experience of eight full-length plays and several short sketches behind it, the Dramashop will present John Galsworthy's "The Pigeon", a play in three acts on December 8 and 10. The first night will consist of members of the Faculty Club and their guests. A second and final performance will be given before the student body on December 10, Saturday. Although it was originally planned to give the play on Friday also, a conflict of dates with the Musical Clubs has necessitated a cancellation of the performance.

For the leading role the Dramashop has been fortunate in securing a "dyed-in-the-wool" Englishman in the person of Mr. Athelstan Frederick Spilhaus, a graduate student. He plays the part of a wealthy English artist, Christopher Wellwyn.

He is a resident of Rondebosch, South Africa, and a true cosmopolite. Born in South Africa, he lived there on a farm for nine years. He then went to England where he attended school, preparing for college. When his elementary schooling had been completed, he returned to Africa and entered the University of Cape Town. He was graduated from there in 1931.

Last August, just before coming to Technology, Mr. Spilhaus "whiled away the time", as he expressed it, by visiting the capital cities of Europe on a bicycle. Among other notable incidents in his career which he, a true cosmopolitan style, regards as

### Spent a Month Seeing Europe On a Bicycle



ATHELSTAN F. SPILHAUS, G.

trivial, are that last year he visited the Junker Aeronautical Factory in Germany, working in various departments in order to gain practical experience in airplane construction, and also that he is well acquainted with most of the leading countries of the world.

It was while at the University of Cape Town that Mr. Spilhaus first got a chance to display the remarkable dramatic talent that enabled him to assume the leading role in "The Pigeon" with so much ease. His acting was very extensive there. Two of the more notable plays he did were

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## Skiing Club At Institute Proposed By Member Of Instructing Staff

### Writes Letter to THE TECH to Explain Possibilities of the Sport

BY DR. LEO JURGENSON

(EDITOR'S NOTE: Dr. Jurgenson, a research associate in the Department of Civil Engineering, has been actively interested in skiing for many years. In an effort to establish the sport among its enthusiasts here at the Institute, he has written the following article for readers of THE TECH.)

It is a matter of regret that interest in skiing is not more prevalent among the students of the Institute. Our fortunate geographical location, near splendid winter sports playgrounds, is well suited to the enjoyment of this noble sport. It is a pity that so few take advantage of the opportunity and that so much of winter sunshine is let to go to waste.

The main reason for this is undoubtedly the fact that skiing has only recently been recognized here as a popular sport, and that most of the students are unfamiliar with the sport and the equipment. An item of importance, especially at the present time, is also the cost of outfit and

other incidental expenses, such as the cost of transportation to the snow-fields.

### Advices Textbooks On Skiing

As to the first point, the best way out would be to consult a book. During the past year two textbooks on skiing have appeared in English. They give a fairly good idea of the sport, recommendations for the suitable type of equipment, and instructions for the first steps. I might mention that the whole thing is comparatively simple. There is no time lost in unpleasant grinding, since one can begin with straight cross country running, and learn the more difficult turns and jumps gradually.

As to the second point, I have attempted below to give an approximate estimate of expenses one should be prepared to meet. It is meant for the benefit of those who are considering taking advantage of our favorable location and wish to get started in skiing during the coming winter.

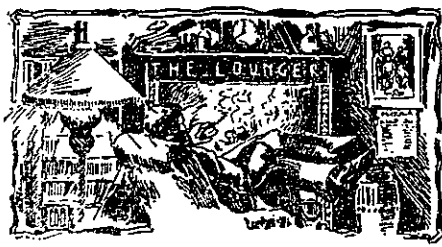
Consider first the clothing. It is not absolutely necessary to buy any new garments. Sweaters, windbreakers, and lumber jackets are good enough for New England weather, and almost everybody has them already. A pair of knickers can be

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A Record of Continuous News Service for Over Fifty Years



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



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News and Editorial—Room 3, Walker Memorial, Cambridge, Mass. Telephone, University 7029

Business—Room 302, Walker Telephone, University 7415

Printers' Telephone, University 0194

SUBSCRIPTION, \$2.50 per Year
Published every Mon., Wed., 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

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Forsaking the mad merry round on Saturday, of all nights, we found ourselves irresistibly drawn to another of the Dramashop rehearsals, of course, for the art of the thing. We trust there are no whispers offstage remarking on the possibility that our interest lay in some choice personality in the cast, as was the case last year. Perhaps it is only the still small voice we hear.

Once there, away dull care, out the window with the pledges of yesterday to grub and bone, us for the life romantic. There is something fascinating to our still unsullied naïveté about the glamor of a production in creation.

One may witness the fitting of the cast to and fro as the individual cues are called, the lighting difficulties, the sage side remarks of Dean Fuller, muttering in his beard at every pas, faux et bon. In addition to which we note the burlesque of Miss Bacon, the subtle allure of Miss Fairchild, and the hopeful voice in which they all ask for "criticism". Oh it is indeed, a glorious thing.

It was during one of our periods of non-fecundity of thought, as it were, that the publicity manager approached and proudly displayed the latest pictures of the cast. There is a little doubt as to whether or not the subjects were quite as proud of same.

Of course the best were being printed, or so we were told, and of course these hadn't been retouched at all, y'understand, so perhaps our impressions were misleading.

However some salient details did strike the old eye of which we pause to note the "Jolly good fun, don't y'know" expression of Spilhaus (male lead), the characteristic "If it's fight you want" look of Miss Bacon (slightly modified in an attempt to have the eyes raised soulfully heavenwards, and last, but hardly least, the diverting and definite highlight (shine to you) on the ultimate perkiness of Miss Fairchild's retroussé nose.

It was this last that put us in mind of the places where the Western Union gets its correct time from. You know, the Nasal Observatory.

Friend Lucas, yes Edmund De Long Lucas, Jr., of Punjab, India, has the part of the Vicar. Really a real Vicar too, with a paunch and everything, from the way he holds his hands, although we had heard he was losing his paunch with advancing years (excuse it please).

However, the time came for the Vicar to appear, and lo, no Vicar. A great stir at the back of the Commons room, and out of the darkness appear three figures, two in the rear, pushing heartily on the posterior of the leading.

Once again came the cue, and one voice from the backstage region, "Where's the Vicar?". As the trio disappeared in the direction of the wings there came floating back the frantic voice of Lucas, yes Edmund De Long Lucas, Jr., shouting, "I'm knocking at the door, I'm knocking at the door!" And like opportunity, he knocked but once.

Athelstan Spilhaus, who makes an English play look and sound English, (for once, thank goodness) has been the only one to take his part seriously, according to the august master of ceremonies.

In accordance with the good old tradition, this same seriousness of attitude has taken considerable shocking via the American and Dramashop indifference to the higher and more delicate subtleties of the stage. In point of fact, the male lead has been absolutely dumbfounded by the indifference of an American cast to a perfectly good Americanized play.

Now this is the point where we must make some apologia for jibing an accent, but oh, my friends, it must be done, even as fragrance must e'en be spread upon the desert air. As you guess, Spilhaus can say, "Did you

Amusements

STAGE
"A Good Woman, Poor Thing"—A new light comedy from the pen of Dillard Long, with Irene Purcell and Arthur Margerson in the principal parts. At the Hollis.
"Cyrano"—At the Colonial. Walter Hampden returning for eight performances in the role which has made him famous.
"Face the Music"—At the Shubert. New musical play with satirical cracks at the current American scene. Somewhat in the style of "Of Thee I Sing", but more like a revue. Music by Irving Berlin. Last week.

SCREEN
"Mädchen in Uniform"—At the Majestic. The story of a girl in a Prussian boarding school, told through remarkable acting, direction, and photography, with a cast entirely of women. German dialogue, English subtitles.
Fine Arts—"Raub der Mona Lisa", an amusing German picture about a man who stole Da Vinci's famous painting in order to impress his sweetheart.

RKO-Keith—"No More Orchids", with Carole Lombard. Vaudeville, with the Havana Casino Orchestra.

RKO-Boston—Richard Dix and Ann Harding in "The Conquerors", a film of epic proportions. Six vaudeville acts, with Stan Meyers.

Metropolitan—"Tess of the Storm Country", with Janet Gaynor and Charles Farrell. The stars work hard, but the film is not up to their usual standard.

State and Orpheum—"Payment Deferred", with Charles Laughton. A melancholy story, with excellent acting and direction; Laughton at his best in a fine character study.

Paramount and Uptown—"The Match King", with Warren William and Lili Damita. Story based on Kreuger's exploits.

rally?" with the rising accent et al. Now couple this in your imagination with a thorough denunciation of the shy Miss Bacon's methods, which are highly burlesque in their lighter moments.

It was the same method which drew a thoroughgoing denunciation from our English friend which peroration finally wound to a grand conclusion in which she was "... undoubtedly quite the behst actah on the staige, but uttehrly futyle." (Phonetic spelling for full effect of minced and cultured pronunciation).

Unfortunately you couldn't be there to witness it, but there was a slight time lag in the part of Professor Calway as this part had to be run through with Charles Gamble, stage technician, reading directly from the book, Souder, who takes the part regularly, was somewhere, somewhere, — Jolly dogs, these stage hands.

It is a shame, indeed, that the reputation of the Dramashop is not one to inspire immediate sale of the full quota of tickets. We feel that any person in Technology who misses the opportunity to see as diverting and excellently portrayed a piece of the so-called drama, as this, will certainly lack by it, even if we have been reduced to the scurrilous practice of making jibes and mockings at the cast. And this ain't supposed to be funny, neyther.

INFIRMARY LIST

Stacy Carkhuff, '36
Frank Stevens, '36
Richard Morse, '33
Kenneth Gold, G.

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 a writer so desires, only the initials will appear on publication.

To the Editor of THE TECH:

In view of the recent publicity given the matter of the conflict of opinion between the Musical Clubs and Dramashop, we feel that it would be advisable to explain the entire matter from its origin.

In the early part of November architectural students discovered that they would be unable to remain in the cast because of a conjunctive problem with Harvard and several other schools. Changes in the date of the conjunctive problem were naturally impossible, and the retention of the original players would have meant alteration of over one-half the cast.

The lateness of the information made this impossible. Consequently a change in the date of the production to December 8, 9, and 10 was decided upon. With this in mind, W. Huston, a member of the calendar committee, was approached and the Dramashop was assured that the change would be all right and that notice of it should be inserted in THE TECH. This move on the part of the Dramashop was in perfectly good faith.

If this member of the calendar committee had no power to act we believe that he should not have given a definite answer, but should have taken the matter up with the committee as a whole.

The notice was inserted in THE TECH and nothing more was heard of the matter for nearly two weeks. At this time the Musical Clubs registered their objection to the Institute Committee. After several miscarried attempts, a conversation was had with

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POOR TECH MEN —

CONCEPTUALLY, one learns from last Friday's Aldred lecture, we are behind the times. We do ox-team thinking in a motor-car age. This is all very true. The really serious thing that confronts us is whether to solve our difficulties by improving our aims and ideas, or by stubbornly sticking to "rugged American individualism" and the "pioneer spirit". Mr. Filene believes that we must take the forward course, and that it is the engineer who must lead us along the new path. He says coming engineers (men now at Technology, in this instance) have the key to a new world in their ability to apply truth and science to the solution of all problems.

We believe Mr. Filene to be unmistakably right. Engineers have made mass production possible. Engineering, applied to finance and to the problems of distribution will certainly educe from the present mass a workable system. But the work involved in creating such a system is mainly a work of organization, reorganization, and coordination, and such work needs leaders.

It is with downcast hearts that we survey the chances of Technology's producing such a leader. A leader is a man who knows everything, men included, and is not afraid to force his knowledge into action and fulfillment. Leadership towards social reorganization can only come from the man who considers society above himself. Yet the average man at the Institute regards society in only a personal sense, assumes faith in the ability of the powers that be to "muddle through", and bemoans loudly that "Tech is hell". Well, perhaps the muddlers will refuse to act, and the few remaining men will have to be leaders whether they like it or not (the tendency not to like it is noticeable among present day able men) and extricate everyone from the general catastrophe.

INDEFATIGABLE MASQUERS

ONCE again, in spite of the obstructions which an engineering school with its indifference to drama affords, Dramashop offers its semi-annual play. No real stage or stage equipment, little money, little time: what are these to the indefatigable masquers. Nothing, or at least not enough to hinder them seriously. The spirit of the group that can work in the face of such difficulties is little short of marvelous.

And even with these difficulties, the group continues to produce plays that are fairly well acted and that usually draw the favorable criticism of the metropolitan reviewers. The student and faculty audiences generally find the performances better acted than they expected, and their reactions in the past has been uniformly favorable. The play to be produced Thursday evening for the Faculty Club and Saturday for the general student public is reported to be equal to those of the past, and a good student support is expected.

We do not urge that anyone attend the Dramashop production because he thinks it a student activity that deserves charity. In fact the group would probably not want an audience that came out of pity. Instead we recommend the performance on the basis of past productions of the group. If the Faculty and the student body have dramatic leanings, here is a chance to see a good amateur production.

THE PACIFIC REVOLUTIONIST

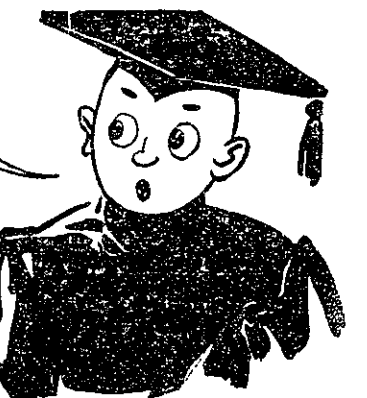
IT might be expected that the scientific student would rush to the defense of its idol Albert Einstein as a group of Brookline ladies attempt to bar the scientist from the country. Now in their latest communications with the State Department they include the name of George Bernard Shaw and several others in the list with Einstein.

It may be true that Einstein is a member of several societies which are at odds with the present economic system. A great many serious thinkers are opposed to capitalism. The United States was founded upon principles of freedom, freedom of thought included. He can not be barred for thinking. As for attempting to spread his revolutionary ideas, the accusation is pure nonsense. The experimenter with the fourth dimension, in his visit to the States last year made no such attempts. His talks were confined strictly to science. As for "revolutionary", his beliefs no doubt are, but his methods, never. He is a confirmed pacifist.

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POOR BILL BONER—he just can't think straight. He thinks a person is safe from contagious disease if he is intoxicated!

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EDGEWORTH SMOKING TOBACCO

**COSMOPOLITE PLAYS  
LEAD IN "THE PIGEON"**

(Continued from page one)  
Shaw's "How He Lied To Her Husband" and Shakespeare's "Othello".  
"It appears to me that the Drama-shop offers a more broadening educational and cultural influence than do some other activities at Technology," said Mr. Spilhaus. "This type of training enables one better to appreciate literature and teaches one to understand human beings."

**Stated For Her Public:  
"Ay Tank Ay Go Home"**



PRISCILLA ALDEN BACON, '34

Priscilla Alden Bacon, '34, who plays the part of Anne Wellwyn, has had remarkable success in other Dramashop productions. In "The Queen's Husband" she also played the role of an "Anne", this time Princess Anne, victim of her high station.

Within the dominions of the Drama-shop Miss Bacon is regarded as "the life of the party" where rehearsals are concerned. It is tradition that she should be expected to do something calculated to throw the cast

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**SUGGESTS FORMATION  
OF SKIING CLUB HERE**

(Continued from page one)  
used as they are, or any old pair of woolen trousers can easily be turned into skiing pants by fixing the cuffs so as to keep out the snow.

**Proper Footwear Necessary**

The expense begins with the footwear, since real ski boots are almost essential. In their absence heavy all-leather work shoes are a fair substitute. Their cost is below three dollars as compared with six to eight dollars for cheaper grade of ski boots.

The cost of skis and poles varies much according to make, material and workmanship. A medium pair of American made 'Northland' flat top ash skis costs from six to seven and a half dollars at Hambro's. Sears and Roebuck sell ash skis for four dollars. They are made by a good American firm but are second choice products and come under a different name. The cost of bamboo poles ranges from about two to three and a half dollars. The price given for skis does not include bindings. Thorleif Haug and Dartmouth Outing Club bindings cost five dollars a set; Allgöu bindings cost four dollars. It is a wise policy to get decent bindings and real ski boots. If funds are low, try to save on some other items.

**T. C. A. Cabin Is Convenient**

Next item of importance is the cost of transportation to the snowfields. This varies, of course, with the weather. In some winters the snow is good and deep in the city. Hills in Franklin Park and in Belmont are excellent for practice in such a case, but usually a more distant point must be reached.

An excellent place for Technology men to stay is the T. C. A. Cabin at Camp Massapoag. There are splendid slopes in the apple farming country a few miles south of the camp. The hills are cultivated and, therefore, free from underbrush. The adjoining woods offer a good protection against the wind. It is like Switzerland on calm and sunny days when it

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**VARSITY RIFLEMEN  
FINALLY DEFEATED**

**Garden City Club Barely Noses  
Our Rifle Team In  
Close Watch**

Technology's rifle team met with its first reverse of the season last Friday night when the Garden City Club of Beverly nosed the Institute gunners out by three points, in their closest match so far this year. It was a shoulder to shoulder affair held at the Institute rifle range. The final score was 884 to 881.

Henry Kiley, '33, last year's Eastern Intercollegiate champion, got the highest score of the match with a perfect hundred at the prone position and an eighty-three standing for a total of 183. Richard Rice, '35, was second highest, getting a ninety-nine at prone and an eighty-one standing, for a total of 180. He was tied for second honors by Bracket of the winners. Harry Keeler with 176, Shapiro with 174, and Hopkins with 168, completed the Engineer scorers.

**MUSICAL CLUBS GIVE  
CONCERT IN NEWTON**

**Xylophone Solo and Banjo Duet  
Are Favorites of Evening**

One of a series of the Combined Musical Clubs' local concerts was given last Saturday at Newton Center from 8 to 10 o'clock in the hall of the Newton Center Women's Club. Five hundred persons were present at the concert, which was sponsored by the Newton Center Neighborhood Club.

Two hours is unusually long for a concert of this type. The members of the club feel that their work was well received; the hits of the evening were the playing on the xylophone by Merton S. Neill, '34; and the banjo duet by Arthur L. Conn, '34, and Warren H. Pease, '33. Dancing was enjoyed from 10 to 12. The proceeds of the concert will be used by the Neighborhood Club to provide a scholarship fund.

Before leaving the Institute, the Combined Musical Clubs met in Walker Memorial to have pictures taken for "Technique".

**On The Air**

Wednesday of last week marked the debut of a new series of programs obviously intended by their sponsors to be the best possible of all possible programs. The "Five Star Theatre" thus presents, over NBC on Monday, Wednesday, and Friday nights of this week, Groucho and Chico Marx, dramatized stories, and "Charlie Chan", respectively. This same program features, on the CBS network, Joseph Bonime's symphony orchestra, with operatic guests, Tuesdays, and on Thursday, the Aborn Light Opera Company. Programs start at ten o'clock in the evening. The opera for December 8th will be "The Student Prince."

Coach Howard Jones of the University of Southern California will be a guest during the All-America Football Show, going on the air at 9:30 P. M., over the CBS net Friday of this week.

**SWIMMERS OPPOSE  
BOWDOIN SATURDAY**

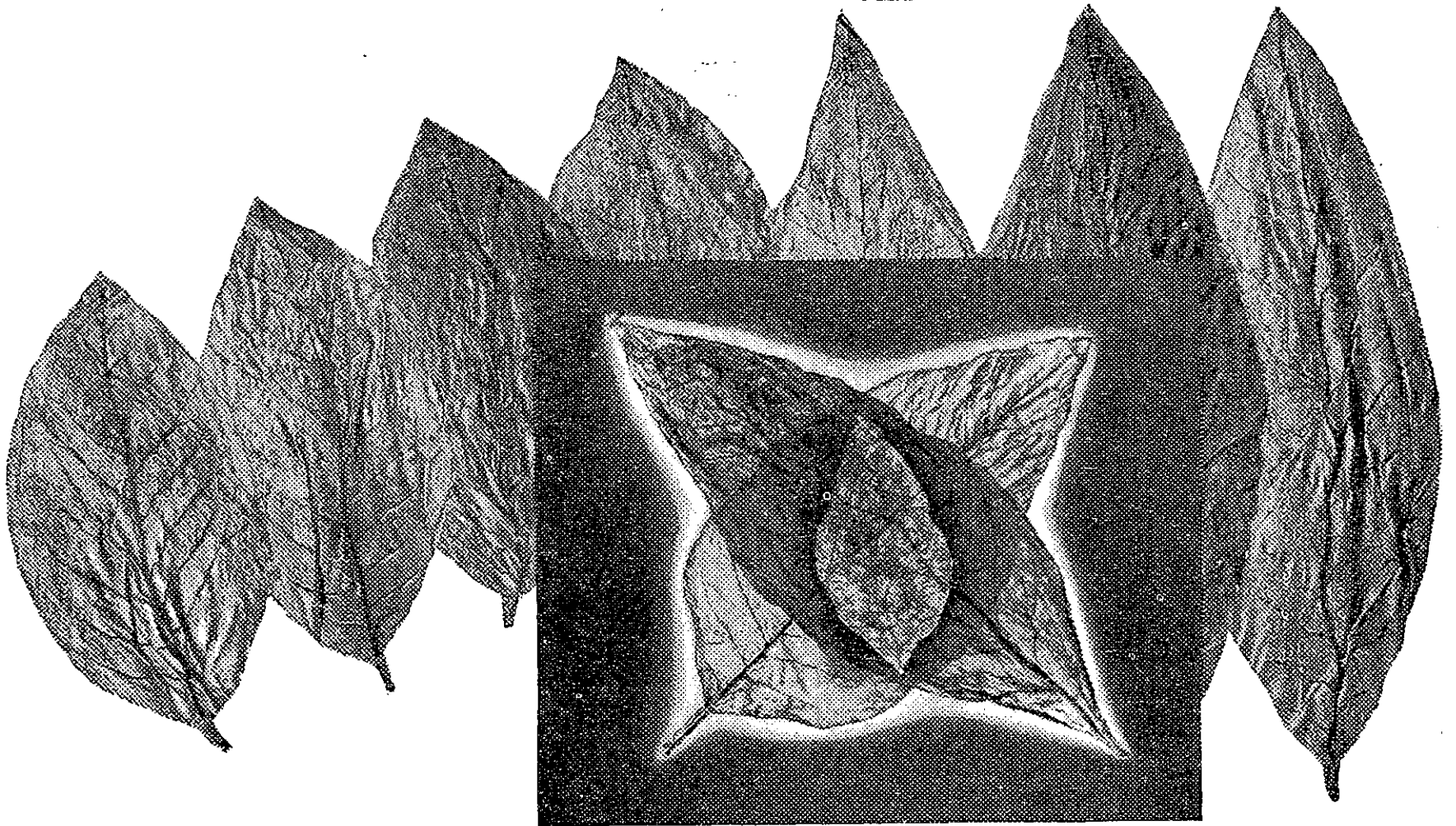
**Team Will Be Chosen Following  
Time Trials Wednesday**

Technology's varsity swimming season opens Saturday, December 10, with a dual meet against Bowdoin College at Brunswick, Maine. Last year the team defeated Bowdoin by the score of 42 to 35, in a meet in which the Engineers took seven first places.

Coach Untersee has been getting the squad in shape for some time now, and is exceedingly well pleased with the way things have been going. In decided contrast to conditions of last year, there are many entries in each event, and competition has been keen. All the events are represented by very good men, with the diving and breast stroke prospects exceeding the rest.

Coach Untersee announces that the time trials for the Bowdoin meet will be held on Wednesday afternoon at the University Club pool. At this time the starting lineup will be decided.

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**Chesterfield**

# CALENDAR

**Monday, December 5**  
 6:30 P. M.—Course VI a Seminar Dinner, North Hall, Walker Memorial.  
 6:30 P. M.—Tau Beta Pi Initiation, University Club, Commonwealth Avenue, Boston.

**Tuesday, December 6**  
 3:00 P. M.—Course XVII Seminar—Subject: "Taxation"; Leader, T. F. Galvin, '33, Room 5-226.  
 5:00 P. M.—Banjo Club Rehearsal, East Lounge, Walker Memorial.  
 6:00 P. M.—T. E. N. Dinner, Grill Room, Walker Memorial.

**Wednesday, December 7**  
 5:00 P. M.—"Ambassadors" Rehearsal, East Lounge, Walker Memorial.  
 6:00 P. M.—Unity Club Meeting and Dinner, Faculty Dining Room, Walker Memorial.  
 6:00 P. M.—T. C. A. Boys' Work Department Dinner, Grill Room, Walker Memorial.

## SUGGESTS FORMATION OF SKIING CLUB HERE

(Continued from page three)  
 is possible to take a sunbath while skiing: a most enjoyable sport provided deep spills are not too frequent. It takes about fifteen minutes to motor back to the camp for meals.

The snow conditions can be ascertained beforehand by consulting the snow bulletin of the Appalachian Mountain Club, issued weekly. There has always been one posted on the T. C. A. bulletin board in Walker Memorial. *The Boston Evening Transcript* gives a revue of coming winter sports events every Thursday.

### Railroads Run Ski Trains

The cost of trips by motor car is practically nothing more than the cost of transportation, and that will depend upon the case. If no automobile is available, the ski trains can always be relied upon. The Appalachian Mountain Club co-operates with the railroad in deciding on the destination. The trains remain parked at the end station during the day and can be used as a hotel. So there is no other expense besides the fare. The latter varies according to the distance from one and a half to three dollars for the round trip. There is always an A. M. C. beginners' practice group going with the train. The instructors are very intelligent, skillful teachers, and in the past have been helping club members and others who ask for advice.

Since the sport is new in these quarters, nothing like a general ski club exists at the Institute. During the past three years skiing trips have been arranged by a small private

group consisting mainly of foreign students and staff members. A small group of men of similar interests offers the greatest freedom and flexibility and serves the purpose best—but serves it only in the interest of the group. It fails to benefit the students outside its own sphere of acquaintance. Therefore, we should have, in addition, some means of spreading interest in the sport among the general body of students and assisting the beginners to get started.

### Suggests Ski Club Here

We could do that at the Institute. It would be comparatively easy for us to get together some night, ask some older skiers to bring along their outfits for inspection and then discuss the questions of the best suitable type of skis, types of bindings, technique of waxing or any other question that might arise. If something comes up that we cannot figure out ourselves, we could ask the advice of Professor Peabody, or, through him, the experts of the A. M. C.

The men who start this year would be well enough acquainted with the game and country by next year to organize an official ski club, help the new beginners, arrange trips to mountains and winter carnivals, etc. Such clubs are already in existence and active at other universities, such as our neighbors at the Square.

Before anything can be planned, it is necessary to know what the interest among the students would be. May I, therefore, suggest that all those interested in skiing send their suggestions and names to the Sports Editor of THE TECH with the request that he study them and recommend what, if any, joint action the general interest warrants.

## REVIVAL OF TECH SHOW IS OFF TO GOOD START

(Continued from page one)  
 pating an opportunity to gain valuable experience otherwise unobtainable.

This year's Tech Show will be a full length musical comedy written, produced, and enacted by Technology students in co-operation with Professor William C. Greene as dramatic coach and Langdon Matthews as dance coach.

### Co-eds Aid — In Costuming

As usual, all the female parts in both chorus and cast will be taken by men. The co-eds, however, it is said, have volunteered their aid in the matter of costuming. The plot of the comedy is reported to have Technology for its background and Technology for the object of its humor. The show will have a three days' run in the Walker Gymnasium during the Junior Prom week-end.

## OLD PRINCIPLES RETARD PROGRESS SAYS FILENE

(Continued from page one)  
 end of the bridge should be located, leaving it to the gang on the other side to use their best judgment as to where their end should go.

"That is what our business leaders have been doing lately. They built up a wonderful system of production, and they figured that somebody would probably be inspired to build up a system of distribution. But there was no thought that the two should be harmonized. And when, in the course of human events, it did dawn upon these leaders that the two systems were really parts of the whole system, it was only to discover that there was a third, without which neither production nor distribution could be carried on. That was the financial

system. It was in the hands of financiers — expert financiers, only they didn't know what finance was for."

### Distribution Cost Too High

Mr. Filene himself has devoted a great deal of time to the task of reducing the cost of distribution. In 1908 he said that "The cost of distribution of manufactured goods now is 55 per cent of the price of those goods. This is disgraceful; this is bad management. I would like to lower that percentage."

"As to the 'American way of doing business'; he said during the address, "if we study it closely, we shall find that it has consisted largely wherever it has been successful, of giving up the American way and adopting the better way. But those who preach about the American way of doing business do not mean that at all. They mean hanging on to some 'tried and true system.' And, disagreeable as it may be to say it, when you young people leave these halls of fact-finding, there is a great chance of your being employed by some organization which does not want you to carry fact-finding too far."

In regard to a better leadership, he stated that: "We cannot expect the new leadership from our statesmen. . . . The trouble with our statesmen is not that they do not know their business. The trouble is that they cannot supply the leadership which is needed now. I think we have many expert statesmen. But they are experts in states; and human life is not now divided into states in the sense that it was when statesmanship was great. The people of the whole world are becoming rapidly inter-dependent, with an inter-dependence which cannot be thrown off. Our world leaders, then, cannot be statesmen and experts in independence."

## COSMOPOLITE PLAYS LEAD IN "THE PIGEON"

(Continued from page three)  
 and management into hysterics. Missing cues and never failing to enter and leave the stage wrongly at rehearsal, Miss Bacon has the distinction of being the only actress who can do this and be expected to perform her part so well when the play finally opens, that even the most skeptic critics can find nothing but the highest praise for her.

When asked for a statement for the press, Miss Bacon, with characteristic facetiousness, said, "Ay tank ay go home now".

"The Pigeon" is the story of a wealthy English artist and his trials in trying to give charity to three people. These people are Mrs. Megan, an erring London flower girl, portrayed by Christine Fairchild, '34; Ferrand, a philosophic Frenchman, played in true Parisian manner by Charles Ball, '34, and Timson, an alcoholic cabbie, presented with many a stagger by Gustave Kiddé, '33. Gerald C. Hudson, '34, as Hoxton, a J. P.; Edmund Lucas, '34, as the pious vicar; and Joseph Puffer, '37, as Calway, a professor; are constantly by Wellwyn's side to advise him on how best to give charity.

## CORRECTION

Clarence Westaway is not president of the Combined Professional Societies as stated in Friday's issue of THE TECH. John Rumsey is president, whereas Westaway is the secretary-treasurer.

## OPEN FORUM

(Continued from page two)

John Streng, the general manager of the Musical Clubs, and he agreed that the competition of the Dramashop was negligible and the matter should be dropped.

This was apparently not done since at its next meeting the Institute Committee decided that the Musical Clubs should be compensated for the conflict to the extent of fifty dollars, twenty-five of which was to come from the Dramashop and twenty-five dollars from the Institute Committee.

Being only a relatively small organization with audiences only a fraction of those of the Musical Clubs, the Dramashop did not feel that its competition would be serious. Realizing at last, the extent of its competition, the Dramashop concluded to cancel its Friday night performance in order to co-operate with the Musical Clubs and the Institute Committee. This involved considerable sacrifice on the part of the Dramashop since rather its extensive preparation had already been made, and cancellation of the performance meant the loss of approximately one-third of its entire income for the term.

The Dramashop regrets that the situation should ever have arisen, but it does not believe as much blame in the matter rests with it as has been stated.

Very truly yours,  
 ROBERT A. HENTSCHEL, '33,  
 General Manager of the Dramashop

## BOEING GIVES AWARDS FOR AVIATION ESSAYS

(Continued from page one)

event winners are unable to qualify physically.

In previous years, students of the following universities and colleges have been awarded scholarships: Stanford University, University of Washington, University of Nebraska, University of Maine, University of California, University of Minnesota, Mt. Union College, California Institute of Technology, Clarkson Memorial College and Santa Barbara Teachers College.

### Boeing School Began In 1929

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Additional information on the W. E. Boeing scholarships may be obtained from the Boeing School of Aeronautics, Municipal Airport, Oakland, Calif.

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