

THE TECH

VOL. XXXIII. NO. 6

BOSTON, MASS., TUESDAY, APRIL 8, 1913

PRICE TWO CENTS

MUCH INTEREST SHOWN IN WIRELESS TALK

**Prof. A. E. Kennelly Addresses
New England Society at
Harvard.**

Every one of the large audience which attended the April meeting of the New England Wireless Society, held in Pierce Hall, Harvard, last Saturday evening, received many valuable and interesting ideas from the talk which was given by Prof. A. E. Kennelly of Harvard University. Professor Kennelly spoke on two different subjects; first, the relation of wireless waves to the electric waves which are sent over an ordinary telegraph wire, and second, the daylight absorption phenomena.

In treating the former subject he showed that the wave of electric flux, with its accompanying magnetic flux, which is propagated with the spread of light over a telegraph line each time that the operator depresses his key, is essentially the same in character as the electro-magnetic waves given out from the wireless aerial by the spark in the cabin. The one important difference is that, in the case of the former, the waves are guided over, and confined to, the wire and the ground immediately beneath it, while the wireless waves spread out over the surface of the earth in approximately hemispherical shells with most of the energy confined near the surface of the earth.

With the aid of a collection of many splendid slides Professor Kennelly explained very clearly the present-day conceptions of the production and propagation of these waves which travel at the speed of light, that is to say that they would circumscribe the earth at the equator seven and one-half times per second. His whole talk was interspersed with many witty remarks which made it the more interesting.

Professor Kennelly then gave a very interesting description of his theory of the daylight phenomena. It has long been noticed in long distance wireless work that signals are received very much stronger in the middle of the night than during the daytime. Investigations of this phenomena between the two Marconi stations at Clifden, Ireland, and Glace Bay, Newfoundland, usually gave a daily plot with a maximum strength about midnight and a minimum throughout the day. These

(Continued to Page 3.)

SENIOR PORTFOLIO.

**Next Week Will Be the Last
Chance to Sign Up.**

The sign-up books for the Senior Portfolio will be called in next week, so this will be the last opportunity for Seniors to obtain one of the coveted volumes. The edition is limited to two hundred copies, and positively cannot be enlarged as the book has already gone to press. At present the sign-up books are in the hands of members of the committee only, and there are but few more blanks available. The committee has endeavored to see every man in the class who has his picture in the book, in order to give him an opportunity to obtain a copy if he so desires. Such men as have not been interviewed by some member of the committee should see one of them at once if they wish to get a copy.

ELECTRICALS HEAR INTERESTING TALK

**Mr. N. H. Daniels Shows How
Statistics Are Indispensible
to Engineers.**

Yesterday afternoon, at 1.30, Mr. N. H. Daniels gave a talk on "The Value and Use of Statistics to Engineers" before the Electrical Engineering Society, in 6 Lowell. A large number of men from the other courses attended and obtained a great deal of valuable information applicable to their own professions.

Mr. Daniels is an electrical engineer, a graduate of the Institute, and is the chief statistician of Stone & Webster. He has had a very wide experience with the operation of power plants all over the country and has obtained such data as can only be compiled after many years of investigation. He divided the positions open to technically trained men into three classes: First, the designing or consulting engineers; second, the constructing engineers; and, third, the operating engineers. The chief consideration of the first two classes is, however, the operation of the finished plant. Hence every engineer must familiarize himself thoroughly with all the statistics which deal with the running of a plant.

In order to make out a satisfactory set of statistics four things must be known: the cost of the new material, the number of kilowatt hours produced, the amount of coal used, and the amount of current going out of the plant. This is being done by practically all the important factories in the country. Thus if a power plant is running behind and not paying expenses they can compare the amount of coal they are using with that of some other factory similarly situated, or, perhaps, the readings of their meters, and see where the differences occur. This is not so easy to do as might seem at first sight, however. It is practically impossible to get a fireman that will keep an accurate account of the coal he is using. Difficulties also arise in the determination of the kilowatt hours used. This varies according to the kind of generators that are used. Then the cost of the coal is hard to estimate as the price varies from time to time and many inaccuracies arise in unloading it at the plant. Nevertheless, by careful and conscientious recording of all

(Continued on Page 2, Col. 1.)

MINING ENGINEERS.

Society to Hear Professor Lindgren on Mexico.

On Wednesday the Mining Engineering Society will listen to an address by Professor Waldemar Lindgren, head of the Department of Geology at the Institute. Professor Lindgren has been for some time in Mexico, where he was detained for three weeks on account of the revolution. He will be able to give some interesting facts concerning the present conditions in Mexico, and it is expected that his remarks will contain other facts than those dealing with geological conditions in that country. Professor Lindgren is well known as an economic geologist, and his research work has been very valuable in its contributions to the science of Geology.

The meeting will be held at 4.15, in Engineering B, and is open to men of all courses

MR. CURTIS TALKS TO COURSE II MEN

**Modern Drafting-Room Practice
Discussed by Boston Edison
Engineer.**

"Mechanical Drawings and the Drawing Office" was the subject of a lecture given yesterday before the Mechanical Engineering Society of the Institute. The speaker was Mr. R. E. Curtis, who is now with the Boston Edison Company, and is also the secretary of the local branch of the A. S. M. E. Working his way up from the drafting offices of several large engineering concerns he has had a great deal of experience in all the best systems of designing, detailing, filing and indexing.

Mr. Curtis began his talk by saying that aside from good, common sense, which is necessary for success along any line, and a thorough understanding of the principles of descriptive geometry, is the most important asset a draughtsman can have. He then gave a brief outline of the development of the working drawing as it exists today. At a time when tools were very inaccurate, exact drawings would have been of no use to the mechanic, but as shop methods improved and machines began to be designed and constructed by different men, some means of conveying ideas from one to another in a simple and concise form became necessary. The result is the drafting room systems of today, which each shop builds up to suit its own peculiar needs. Mr. Curtis also said that a good mechanical drawing of any kind must "tell the truth, the whole truth, and nothing but the truth," in order to be of any service to the contractor or to the shop man, and citing several amusing results of mistakes he himself had made when first working in a drafting office.

Modern drafting practice was then discussed at some length. Mr. Curtis first took up the matter of size of sheets and mentioned the fact that sheets which are some multiple of the common letter sheet are being adopted by some concerns in order that when convenient they may be filed with the other correspondence. In his estimation the 27x40 sheet was the best upon which to base the various sizes needed in most shops. It is interesting to note that the immense amount of

(Continued on Page 2, Col. 2.)

TECH SHOW REHEARSAL.

**Complete Dress Rehearsal at
Opera House Tonight.**

Today is the day which will decide virtually whether or not "Money in Sight" will start out with a creditable "first night." Although rehearsals were held twice last week, they were not entirely satisfactory on account of many necessary interruptions in smoothing out the acting.

The management has issued the following notice: "Tonight every man, including the orchestra, must be on hand at the Opera House at 6 o'clock. This prompt attendance is absolutely necessary as there will be a dress rehearsal, and it will take quite a while to dress and make up. Each person who is late will lose fifty cents, and an absence will cost two dollars. All men in the Show will have to obtain their dinners early because there will be no chance to get anything to eat after 6 o'clock."

LAST CALL FOR THE TECHNIQUE SIGN-UPS

**Thursday the Last Day That
Men May Sign Up For the
Year Book.**

The opportunity to sign up for Technique will end on Thursday, at 5 o'clock. This date is final. It seems quite probable that on account of the limited edition the entire number of copies will be applied for before this time. At present men have signed up for all but fifty of the books, and now that the number of available copies is so small, preference will be given upper classmen.

Beginning tomorrow a member of the Technique Board will be at the Union daily to exchange the sign-up slips for the rush tickets upon the payment of two dollars. By making this exchange now much time will be saved by those intending to take part in the rush.

Plans for the rush have been completed. The little house is in readiness to place against the rear wall of the Copley Plaza Hotel, and a rag-time band, under the able supervision of Leader Brooks, has been secured to play. The complete plans of the rush will be given to THE TECH later in the week. The Board promises a rush that will be a fitting send-off for the book.

The final work on Technique, 1914, is now well under way, for the binder has almost completed the edition. Within a week the Board will be in a position to bring out a book that they are confident will more than come up to all expectations.

It is hoped that it will be possible to satisfy the demand for books, for an increase in the edition at this late day would be out of the question. All men who have not yet signed up are advised to do so immediately while it is still possible.

CLASS DAY COMMITTEE.

This afternoon, at 4.30 o'clock, sharp, there will be a very important meeting of the Senior Class Day Committee in Room 8, Eng. C. Every member is urgently requested to be present as some important business is to be transacted which will require the consideration and vote of every man on the board.

Don't forget that novice wrestling meet Friday evening. Entries close tomorrow.

WEATHER.

Forecast for Boston and vicinity: Tuesday, generally fair; moderate northerly to easterly winds.

CALENDAR.

Tuesday, April 8, 1913.
1.30—Freshman Class Meeting—Huntington Hall.
3.00—Sophomore Baseball Practice—Field.
4.30—Class Day Committee—8 Eng. C.
6.00—Dress Rehearsal of Show—Opera House.
6.00—Entries for Novice Wrestling Meet Due.
Wednesday, April 9, 1913.
6.30—Catholic Club—Union.
7.20—Musical Club take special car at Sullivan Square for Everett.

THE TECH

Entered as second-class matter, Sept. 15, 1911, at the postoffice at Boston, Mass., under the act of Congress of March 3, 1879.

MANAGING BOARD.

S. H. Taylor, '14.....General Manager
E. B. Goodell, '15.....Editor-in-Chief
F. C. Foote, '15.....Managing Editor
L. C. Lamb, '15.....Advertising Manager
W. H. Fleming, '15.....Circulation Manager
G. A. Palmer, '15.....Treasurer

NEWS BOARD.

H. Rogers, '15.....Chief News Editor
T. W. Burkhart, '15.....Assignment Editor
E. H. Townsend, '16.....Assistant
E. A. Weaver, '14.....Institute Editor
W. T. Kneizner, '16.....Assistant
W. B. Rivers, '14.....Societies' Editor
G. W. Wyman, '16.....Assistant
J. B. Carr, '16.....Athletic Editor
R. E. DeMerritt, '16.....Assistant
C. W. Loomis, '16.....Asso. Editor-in-Chief
J. K. Heller, '16.....Assistant

BUSINESS BOARD.

H. I. Knowles, '15.....Asso. Advertising Mgr.
E. W. Macy, '15.....Insertions and Copy
S. S. Berkowitz, '15.....Publicity Manager

NEWS STAFF.

T. J. Barry, '15.....H. P. Gray, '16
C. W. Hawes, '16.....R. Millis, '16
T. C. Jewett, '16.....G. P. Allen, '16

EDITORIAL STAFF.

H. W. Lamson, '15.....H. E. Keyes, '16

BUSINESS STAFF.

H. E. Schabacker, '16.....E. E. Polley, '16

TUESDAY, APRIL 8, 1913

The entries for the novice wrestling meet which the team is holding for the benefit of the men who have not participated in any meets while they have been at the Institute close this afternoon. The particulars as to the presentation of the entries appear in the news columns. But just a word regarding this meet and its significance. The purpose of the event is to interest more men in the sport and thereby strengthen the team.

Wrestling is a sport, the growth of which ought to be encouraged. It is particularly adapted to Institute life as an efficient means of getting exercise. Our time is pretty well filled at Technology and we find it hard to spare time for sufficient exercise. From five to ten minutes on the wrestling mat is as beneficial as an hour spent at almost any other sport, and this meet is giving you a good chance to try your luck at the art when you will be only one greenhorn among the many.

Our attention has been called to the fact that the Sophomore Track Team has held no election of officers this year. The captain and manager of last year's 1912 team are still in school, but of course they cannot act officially this year without at least their re-election. We might also add that the team is as active as one might expect an unorganized body to be.

FRESHMAN MEETING.

The Freshman class will meet in Huntington Hall today at 1.30. At this meeting the amendment to the class constitution which has been drawn up by the Governing Board in accordance with the motion passed at the last meeting of the class is to be voted upon. This amendment will, if adopted, make the two Freshman representatives to the Athletic Association both class officers and members of the Governing Board.

As this will be the most important meeting which the class has held since adoption of its constitution, the officers of the class want all the class to be present.

ELECTRICAL SOCIETY.

(Continued from Page 1.)

data, the efficiency of a plant can be brought higher than by any other method, and no man can make a successful engineer without being a good statistician.

At the close of the talk the names of the men who have been appointed to the Electoral Committee of the Electrical Engineering Society were announced as follows: R. L. Thomas, '13; R. M. Freeman, '13; C. W. Gothermann, '13; E. C. Hadley, '14, and H. B. Richmond, '14.

PROSPECTS GOOD FOR SOPH. TRACK TEAM

Outdoor Work Going On Steadily—Men Gaining Rapidly and Showing Up Well.

The Sophomore outdoor track team has a fairly good outlook for the coming season. The great weakness of the team lies in the apparent indifference of the men towards the necessity of practice, and it is in just this respect that the Freshmen excel. They are practicing regularly and the results show it. Several upper classmen have been showing up fairly regular.

Alt is throwing the discus and broad jumping, and looks like a probable winner next Saturday in those events. He is also trying hard at the hurdles this year. Baker is out for the 440 and Basset for the mile. Best, in the two-mile run, is coming along in good shape. Clark is out for the 440-yard run and should do something if he practices regularly. Conway, "Frank's" friend of last year, is throwing the hammer and shot in great style. He is also a likely winner next Saturday. Cook, in the two-mile run, is more or less of a dark horse.

Curtis is topping the hurdles again and should have no trouble in negotiating all comers. Enebuske is now out for the half. He was one of the low hurdlers last year, so that his ability in the half-mile is unknown. Hill is also at the half-mile and looks like a winner in the coming meet. Carl Guething is his chief contender. Homan and Lawrence are both running the 440. The former has difficulty in coming out for practice, but is sure to be near the front if he is in condition. The latter will give the leaders plenty of excitement. Pollard is out for the mile again this year, but it is doubtful if he can repeat his performance of a year ago. Thomas is working at the broad jump with promising success. Wall should be pretty close to Benson's heels in the mile, and Zepfner, who is also in this distance, should take a place.

COURSE II TALK.

(Continued from Page 1.)

work of the Babcock & Wilcox Company was of such a nature as to make only one size necessary, but usually it is advisable to have the detail drawings quite small on account of the greater convenience of handling in the shop. He spoke of the scale and its relation to the clearness of the drawing, and illustrated his point with plans for some of the turbines in the L street station of the Edison Company. As to the matter of the grouping location of detail drawings and the use of reference lines, the way in which the drawing is to be used and the shop practice of the particular firm for which they are made should always be the deciding factors.

Mr. Curtis emphasized the importance of the blue print and said that no really satisfactory substitute for it has yet been found. The division of the amount of work between penciling and tracing depends upon the practice in each drafting room, some contending that employing good draughtsmen to do all the work is eventually more economical than having special "tracers." Where there is a large amount of work duplicated with the exception of a few minor dimensions, as is the case with the Babcock & Wilcox Company, printed master drawings, including everything except the dimensions, effect great savings. He stated that sketching and the use of clear, concise notes, although commonly overlooked, are often the most important part of a draughtsman's work. A proper filing, recording and indexing department is also an essential feature of all modern drafting rooms.

COPLEY SQUARE HOTEL

Huntington Avenue, Exeter and Bladgen Streets

BOSTON, MASS.

Headquarters for Professional, College and Athletic Teams when in Boston
360 Rooms, 200 Private Baths. AMOS. H. WHIPPLE, Proprietor

LINE OF LEAST RESISTANCE

It is natural and easy to delay insuring your life. It takes determination and character to resist this inclination, but successful resistance brings its own rewards in your peace of mind and an increase in your material resources.

RESIST TODAY

CHARLES H. JOHNSON, M. I. T. '05

REPRESENTING

NEW ENGLAND MUTUAL LIFE INSURANCE CO.

CHARTERED 1835

TELEPHONES { MAIN 5571
MAIN 5572 176 Federal St. BOSTON, MASS.

McMORROW

College Shoes for College Men

238 Washington Street, Boston, Mass.

OPPOSITE YOUNG'S HOTEL



The Christmas Box

At home they know the important things—a box of wholesome Fatimas right on top.

60 Fatima coupons will secure a white satin pillow top, 24 in. square, decorated with hand-somely painted flowers—12 designs to select from.

Liggett & Myers Tobacco Co.



"Distinctively Individual"

20 for 15¢

**FRESHMAN DINNER
ARRANGEMENTS MADE**

**Excellent Menu, Good Speakers
and an Orchestra Provided
to Entertain.**

Those in charge of the Freshman dinner which is to be held on Saturday night in the Union wish to remind the members of the class that tickets are on sale by men in each section. These tickets are to be called in on Friday and placed on sale at the Cage.

Dean Burton, Professor E. F. Miller and Professor H. W. Hayward have been invited to give the after-dinner speeches. The committee promises that there will be an excellent menu, and that the speakers will be well worth hearing.

Arrangements have been made for a small orchestra, a novelty which should attract a large number of fellows and make the affair a merry one.

F. C. A. HAS FINE SPEAKER.

**Reverend Nicholas Van der Pyl
of Haverhill Will Talk.**

On Thursday at 1.30 o'clock the Rev. Nicholas Van der Pyl of Haverhill, Mass., will speak on "Some Phases of the Present Industrial Problem" at the regular weekly talk given by the Technology Christian Association.

Mr. Van der Pyl is pastor of the Center Congregational Church of Haverhill, and bears the distinction of being one of the first speakers who has come from a distance for the express purpose of addressing Technology men. In view of this fact, he will doubtlessly be accorded a generous reception and a large audience should reward him for his trouble and sacrifice of time. The speaker is especially interested in industrial problems and has been prominent as a writer on the Lawrence strike.

Coming to this country as an immigrant from Holland, Mr. Van der Pyl's many varied experiences have given him a good knowledge of the conditions among laboring men. He is prominent in all work for the betterment of labor conditions, and has a large influential church in Haverhill. In connection with his church work he has served as a member of a committee on the relation between the Church and industry.

On account of his excellence as a speaker he was appointed by the Federation of Churches of Greater Boston as lecturer before the Twentieth Century Club for the year 1912-1913, which is a recommendation of his ability, as only the best men are chosen by this organization.

COMMUNICATION.

To the Editor of THE TECH:

Dear Sir:—I hope that you will permit me the use of your columns to thank the students who have so kindly given their time and thought in filling out the cards which were recently sent out in behalf of the Committee on Preparation Requirements. Replies are still coming in at the rate of a small number each day. May I ask those who, with the best of intentions, have been putting off the matter, whether they will not be good enough to return the card this week? It is important also that we hear, if possible, from each man who received a notice, especially from those who have nothing exceptional to report and are therefore tempted to think that their reply will have no special value. It is the average experience which needs to be determined.

Very truly yours,
A. T. Robinson.

This Speaker of the Red Sox is to take a few days off soon to show THE TECH outfielders a few of the fine points of the game.

**CATHOLIC CLUB PLANS
FOR MONTHLY DINNER**

**Mr. F. E. Slattery Will Address
Meeting Tomorrow Evening
in Union.**

The Catholic Club will hold its regular monthly meeting and dinner Wednesday evening, at 6.30. As is customary, the club will have its usual prominent speaker to give the members a talk after the dinner. For this meeting the officers have secured Mr. F. E. Slattery, who will speak on "Socialistic Views."

Mr. Slattery is a prominent and well known attorney of this city, and he is well qualified to give an interesting and instructive talk on the subject he has chosen. The talks which have been given to the Catholic Club have always been good and of high quality, and Mr. Slattery will undoubtedly give a talk which will be up to the usual standard.

After the dinner and talk a business meeting will be held. The design of the club pin will be decided upon and selected. The arrangements will be made then for the annual banquet which will be held at some downtown hotel next month.

WIRELESS LECTURE.

(Continued from Page 1.)
curves showed usually a "notch" at sunrise and sunset, and Professor Kennelly has worked out a theory to explain these. It is based on the fact that the sunlight, by virtue of the chemically ultra-violet rays which it contains, ionizes the air which is exposed to it and thereby makes it more absorptive for the electro-magnetic waves.

Now, just before sunrise at Chiffden, the sun's rays would be passing very obliquely through the upper air above that station. This portion would be quickly ionized and, being a different medium, would act as a reflector for the waves, and accordingly signals would be increased at Glace Bay. Shortly afterwards this reflecting surface would come between the two stations and would act as a barrier producing the noticed weakening of the signals. Just after sunrise at Glace Bay the reflector would be behind that station, causing another increase in signals which, however, shortly dies away to the daylight minimum. A similar occurrence takes place at sunset. This theory seems to be a very plausible explanation of the daylight phenomena and the "notches."

In connection with this theory Professor Kennelly stated that he believed that such valuable geological information of the upper atmosphere, about which so little is known, could be obtained by a careful collection of data showing the relative strength of signals in different localities and under different atmospheric conditions. He said the bulk of this work could and would be done by the amateur, and suggested that the society might be able to perform much in this direction. The wireless amateur might thus become a valuable assistant to the geologist and the none-too-certain weather man.

An informal discussion, in which many more interesting points were brought up, concluded the meeting.

WRESTLING ENTRIES.

All entries for the novice wrestling meet to be held next Friday evening in the Gym are due at 6 o'clock tonight. They should be left at the Cage for H. G. Morse, '16, who is managing the meet. As many entries as hoped for have not been received as yet. This is a strictly novice meet and no man who has competed in a Varsity meet is eligible. After the sample of wrestling given at the All-Tech smoker a large crowd should be present in the Gym next Friday. If one does not feel that he is a good enough wrestler to enter as a competitor he can help out the management by buying a ticket.

You Are Cordially Invited

—to participate in the many advantages of this store. They are unusual and your visit will be profitable.

We show some new styles well worth every man's attention.

Prices \$5 to \$10.50

COES & STODDER

Men's Shoe Shop 10-14 SCHOOL STREET

**Waterman's
Ideal
Fountain Pen**

For Students and Faculty

Waterman's Ideal is a necessity in present day institutions of learning, where readiness, speed and accuracy are essential. It is a pen that helps to better work, more of it, and minimizes expense and inconvenience. For the best dealers personal attention, thorough guarantee, scope of assortment and for lasting pen service, ask for Waterman's Ideal by name at the nearest store.

Made in regular, safety and self-filling types.

L.E. Waterman Company
173 Broadway, New York

The London Shop

MEN'S FURNISHINGS

478 Boylston Street

Huntington Ave. Theatre. PICTURES

LINDSAY MORRISON presents his
TABLOID STOCK PLAYERS
First Half, ZYLAPONIAS
Last Half,
VAN DYKES CARTOONISTS

A homelike, first-class hotel, proud of New England traditions, dating from Gen. Warren, yet newly furnished with every comfort & convenience

THE AMERICAN HOUSE
BOSTON

Long distance phone and hot and cold water in every room. Kept constantly clean by our vacuum plant. Rooms \$1.00 a day and up.

VISIT THE RAHWELLER

Students' used clothing and other personal effects bought by

KEEZER

360 COLUMBUS AVENUE
(Near Dartmouth St.)

Highest prices paid for same.
TRE. 916. Phone Write or Call
Open Evenings to 9 o'clock

FACULTY NOTICE.

Third Year, Course XIII.

FORGING for students in Course XIII of the third year will begin on Tuesday, April 8th. The exercise will be held between 2 and 4 o'clock. WALTER HUMPHREYS, Registrar.

All Goods Required by Students at

MacLachlan's
502 BOYLSTON STREET

Drawing Instruments and Materials
Fountain Pens Text Books

Trinity Court Bowling Alleys

TECH BOWLING HEADQUARTERS
Established 1898. Opposite the Union
Two minutes walk from all Tech Buildings. Unexcelled facilities; the most fastidious Bowler can enjoy this fascinating and healthful pastime.
Alleys reserved and screened for private parties.
Come in and enjoy a little fun and exercise between periods.

Old Established Dining Room

Mrs. H. O. Hanson, Prop.
33 SAINT BOTOLPH STREET

1 Meal Ticket \$4.50	14 Meal Ticket 83.5c
Dinners . . . 2.50	7 Lunches . . . 1.50
7 Breakfasts 30c	Luncheon 25c Dinner 40c

M. LEVENGSTON

To Let Dress Prince Albert and Tuxedo Suits To Let

12 School Street, Boston
Room 1
Telephone, 3315-J Main

FACTORY TO WEARER
THE SPHINX HAT
\$2.00
THE MALLORY CRAVENETTE
\$3.00
30 BOYLSTON ST BOSTON

The Apollo

THE CHOCOLATES
THAT ARE DIFFERENT
FOR SALE AT THE UNION
SOMETHING
NEW CONTINUALLY.

The Original

TECH BARBER SHOP
Increased Business. Increased Help. Everything Sterilized
Copley Square
Bootblack Second Floor

HERRICK, COPLEY SQUARE

Choice Seats for all Theatres
Phone B. B. 2525
Key Number Connecting Five Phones

HOTEL CUMBERLAND
NEW YORK
Southwest cor. Broadway and Fifty-fourth St

HEADQUARTERS FOR COLLEGE MEN HEADQUARTERS FOR TECH MEN



REPT BY K COLLEGE MEN. SPECIAL RATES FOR COLLEGE TERMS.

Ideal Location, near depots, shops and Central Park
New, Modern and Absolutely Fireproof
Most Attractive Hotel in New York. Transient Rates, \$2.50 with Bath and up. Ten minutes' walk to twenty theatres. Send for booklet.
HARRY P. STIMSON
Formerly with Hotel Imperial.

L. PINKOS

COLLEGE TAILOR

338 Washington Street
BOSTON

Harvard Square
CAMBRIDGE

TO TECH MEN:-

If you are considering the purchase of Spring Clothes I ask you to inspect my line which contains the largest and best variety ever shown in Boston.

My prices are lower than ever offered by any other reputable tailor.

Eighteen years of experience making College men's clothes has well taught me the needs, desires and requirements of men who know clothes.

Why don't you become one of the thousands of pleased customers of this college tailor?

L. PINKOS,
Tailor