

\$50 AWARD FOR BEST 1934 TECH SHOW ANNOUNCED

Masque, Honorary Society Of
The Show Seeks Novel
Musical Comedy

NEW AUTHORS' CHANCE

A fifty-dollar prize to be known as the Masque Award was announced last night by Masque as the prize to the author of the best musical comedy submitted for Tech Show 1934.

The rules for the award are as follows: First, the sum of \$50.00 in gold will be awarded by Masque, the honorary society of Tech Show, to the author or authors of the best musical comedy book for Tech Show of 1934; Second, the judges will be members of the English Department in collaboration with Masque and the advisory council on Tech Show; Third, the closing date for entries will be early in the Fall semester, at which time the final date will be definitely announced; Fourth, competition is open to all undergraduates as well as graduate members of the Institute.

The society suggests that the book, for obvious reasons, should not necessitate elaborate costuming or staging. The manuscript does not necessarily have to do with Institute life. Further suggestions may be gleaned from Professor William C. Greene in Room 2-176.

The announcement of this award resulted from a discussion as to a method of stimulating interest of Institute members in writing a book for Tech Show. It was the opinion of Professor Greene that more men would be interested in writing the script if they were not deterred by the hollow glory to the author. Paul Lappé, '34, pointed out that it would be well-worth the expenditure of time and energy during the summer vacation in the effort to secure the money award, an amount which, he observed, is probably more than a number of
(Continued on page four)

Kipp Gas Generator Now Used To Prepare Coffee

With a slightly modified form of a Kipp generator, Walker Memorial Dining Service now brews its coffee in a manner suitable for the consumption of a technically minded patronage. The beverage is made in glass containers whose general construction closely resembles that gas generator so familiar to Institute students.

The coffee beans are placed in the upper of the two connected glass containers, the water in the lower portion of the apparatus being heated to boiling. Steam pressure forces the hot water upwards until the ground beans are saturated, and on cooling, the vacuum draws the liquid back. The drink is then kept warm in the lower compartment until it is served.

SIX CHOSEN FOR STRATTON FINALS

Backenstoss And Becker Elected
By Combined Professional
Societies

Six men competing in finals for the Stratton Prize were announced yesterday by the combined Professional Societies. They were: Samuel Goldstein, '33, Course VII, Refrigeration in Public Health; Morris Guralnick, '33, Course XIII, Welding in the Shipyards; Raymond P. Holland, '34, Course XVI, Wings; Robert L. Kennigott, '34, Course VIII, Wireless Power Transmission; Maxwell Du Val Millard, '33, Course VI-A, Photoelectric Cell; and Norman S. Pressler, '33, Course II, Rocket Propulsion.

At the regular weekly meeting this week officers for the coming year were also announced: Henry B. Backenstoss, '34, president, (also chairman of the student branch of A. I. E. E.) and Robert Becker, '34, secretary-treasurer, (also president of Mining Society).

35 TRACK MEN TO TRAVEL TO DURHAM

Bell Not Expected To Compete;
Wildcats Strong In
Many Events

Expecting a close meet, Coach Oscar Hedlund will take a squad of 35 men to Durham, N. H. on Saturday to take on the strong University of New Hampshire team.

New Hampshire is especially strong in the distance races, with Darling, Blood, and Pike entered in these events. With Captain Dick Bell making the trip with the Technology forces, but probably not running because of a favored ankle, Cunningham of the home team is expected to fight it out with Holladay, Ball, Rimbach, and Wrigley of the invaders in the dashes.

Freshmen Meet B. U.

Hedlund's men will probably score most heavily in the field events, with Lovering in the shot put, Greenlaw in the discus, Green and Dixon in the pole vault, Wrigley and Ball in the broad jump, and Dixon in the javelin.

The strong freshman team meets Boston University freshmen today at Tech Field, with the Technology representatives heavy favorites to win.

Use 13,000 Tons of Coal at Institute Power Plant Yearly

Water, Electricity And Steam
Expenditures Reach
High Totals

A yearly usage of 15,684,400 cu. ft. of water, 13,000 tons of coal, 3,592,330 K.W. of electricity and 266,399,000 pounds of steam is included among the expenditures of the Institute. The cost for these was approximately \$103,900 for the production of the steam, \$31,900 for the electricity and \$16,700 for water, according to figures of the last fiscal year.

The amount of coal used a month varies from 500 to 1800 tons a month and from 48 to 62 tons daily, depending on the time of the year and the weather.

Four large B and W boilers, three of five hundred and twenty horsepower each and one of two hundred and eighty horsepower, are constantly at work consuming the large amount of coal. To insure uniformity of operation and greater efficiency, the boilers are equipped with intricate machinery, which speeds up the work. Each of the boilers is equipped with a Riley self-dumping stoker. These have motor driven plungers which feed the coal into the grate from the bottom of the stoker bunkers. In turn, these bunkers are automatically filled by a travelling lorry which holds about two tons of coal. This moves along in front of the boilers and fills the stoker bunkers.
(Continued on page four)

VOO DOO FOUNDER DEAD IN TRENTON

Word that Edward Edwards, '19, the founder and first Editor-in-Chief of Voo Doo has died of pneumonia in Trenton, was received at the Voo Doo office yesterday. Before Mr. Edwards became the Editor of the magazine which he was so instrumental in founding, he was the Editor of the "Whoop Garoo" the comic magazine in vogue at that time. While at the Institute, Mr. Edwards was a member of the Delta Tau Delta Fraternity.

THE TECH Refunds 42 Cents To Subscribers

One sixth of the price paid for subscriptions to THE TECH will be refunded on demand at the business office, Room 302, Walker Memorial, any time from Monday to Friday inclusive of next week between the hours of two and five o'clock. This amount represents the 16 per cent of the issues contracted for, which were not published because of a decrease in the publication dates early this term. This amounts to 42 cents in the case of a regular \$2.50 subscription, and 33 cents for a Pi Delta Epsilon subscription, as at the reduced rate only \$2 was paid. Fraternities holding subscriptions are requested to send an authorized representative bearing the contract of subscription at the above hours. Those receiving their copies by mail will not be refunded the money in cash, but will receive an equivalent amount in extended subscriptions.

Rawson Of Boxing Team Is Veteran Of 200 Matches

Has Never Been Knocked Out In
Boxing Career of Twenty
Years Or More

When Coach Tommy Rawson of the Institute boxing team tells his boxers some of the fine points of the game, they listen to him. He has twenty years of boxing to his credit, and has defeated some tough fighters.

Ever since he can remember he has been interested in fighting. He and his brother put on gloves at an early age, and learned a lot about the game. In 1904, he was at work doing bridge-building and ship-building in East Boston, and ran up against a man who was a pretty good fighter. This man, feeling pretty good because of something he had been drinking, entered himself in the Wednesday
(Continued on page four)

WELLESLEY GIRLS OFFER PROGRAM AT CLUBS' CONCERT

Wellesley Choral Club Will
Assist By Rendering
Seven Numbers

STAGS TO BE ADMITTED

Amid a setting which the management refuses to divulge, the Combined Musical Clubs will present their Annual Spring Concert this evening at 8:30 o'clock, in conjunction with the Wellesley Choral Club which consists of ninety young ladies.

The concert, to be held in Walker Memorial, will be followed by dancing to music furnished by the "Georgians" from 10 to 2 o'clock. During the evening the leaders of the musical clubs will be announced for next year, and the Baton Cup will be presented to its winner. This cup is awarded annually by the Baton Society, honorary society of the Combined Musical Clubs, to the club showing the most improvement during the year.

Chosen in a contest open to the entire student body, the motif for the occasion this evening has not been announced by the managers. In the contest, suggestions ranged all the way from nautical scenes to desert settings.
(Continued on page three)

T. C. A. SECRETARY IS AT CONFERENCE

Mr. Wallace M. Ross, general secretary of the T. C. A. is attending the seventh annual Conference of Adult Workers held yesterday and today at Jaffrey, New Hampshire.

At the luncheon meetings held by the T. C. A. in Walker Memorial last Tuesday afternoon several men signified their intention of joining the Technology delegation to the annual Northfield Student Conference held from June 12 to 20 at Camp Becket. Further information about the conference may be obtained from W. C. Schumacher, '34, Chairman of the T. C. A. office.

Aesthetic and Altruistic Association For Physics' Acceleration Meets

Delegation Elects Officers At
Meeting In Conjunction
With Banquet

The convention of the "Aesthetic and Altruistic Association for the Acceleration of Physics" the latest departure of the Technology's Physical Society from profound theoretical physics, was held in conjunction with the annual banquet of the society at the American House last Wednesday.

Elections for various positions were held, notably the "Grand Sublime Exalted Prime Mover of the A&AAAP" and the "Pure Minded and High Thinking Theoretical Three Tailed Bashaw." All members of the faculty were eligible and the custom of nominating only one man for each office was discarded. Professor Julius A. Stratton and Professor Philip M. Morse were nominated for the first office, and both were elected by acclamation.

Qualifications for the offices included the ability to pitch ten kilovolt electrons left-handed with a right-handed spin, and to be able to show the equipotentials of worry in an

exam room containing N students asking M questions in time T.

A discussion was conducted concerning the vectorial nature of a lecture. It was contended that the rate of change of interest in a lecture could not be inversely proportional to the divergence from the subject because a lecture subject cannot be vectorial for the reason that a lecture has no point.

Qualifications for some of the other offices as announced by the program demanded the ability to perform a Laplacian on the nodes of a beer keg, to raise two to the two to the two to the two to the two power without stuttering, to give psuitable pside-lights on psi psi pstar pspace with psartorial pspronunciation, and to demonstrate the experimental verification of the theory of a three-way gadget working two ways in four dimensions.

All delegates to the convention were entitled to all the beer they could drink, this "degree of freedom" being enjoyed to the extent of four quarts by one member of the delegation.

After the banquet a group from the society concluded the evening's entertainment by attending the Pops concert.

Professor L. F. Hamilton Has Not Changed Despite Technique Photo

Prof. C. L. Norton's Picture Is
Accredited To Prof. Hamilton
In Faculty Section

The appearance of Professor Leicester F. Hamilton of the Chemistry Department has not changed over night, and here's a recent portrait to prove it. The picture appearing above the name of Professor Hamilton in the Faculty section of the 1933 Technique is that of Professor Charles L. Norton of the Department of Physics. Somehow a duplicate engraving of Professor Norton's portrait was made and one cut appears over his own name on page 89, while a little farther back on page 83 the duplicate photograph appears over the name of Professor Hamilton.

How the mistake occurred was impossible to determine. When THE TECH interviewed James E. Norcross, '33, General Manager of Technique as to how the error was made, his comment was, "That's the first I've heard of it. Thank you very much."

THE TECH decided to run the picture on the right as poetic justice to the "forgotten professor". Students wishing to keep their year book correct might cut it out and fasten it in its proper place in the faculty section. Just an interesting touch to a



PROF. LEICESTER F. HAMILTON

souvenir for future reminiscences.

Many students noticed the mistake while looking through the book, which was issued last Wednesday. Professor Hamilton is very well known to the student body being chairman of the Dormitory Board, Associate Professor of Analytical Chemistry, a graduate of the Institute in the class of 1914, and also a constant patron of student social affairs.

Corporation XV To Have Gala Outing

Winner Of Stock Contest Will Be Announced

Corporation 15 is planning a gala outing for its members and their guests on May 20. Golf and tennis enthusiasts will play on the new 18 hole Riverside Golf Course and tennis courts. Baseball teams headed by Roger Hammond and Frank Lopker will battle for a cup. Swimming events will take place in the new pool, under the direction of John Callan, veteran varsity swimmer.

Supper will be served in the Recreation Hall, and a short business meeting will be held. The winner of the Stock Contest will be announced and presented with \$25 cash for his financial ability.

Dancing starts at 7 for those who are unable to manipulate a canoe paddle, a bottle of pop, and a young lady all at the same time.

SPORTS COMMENT

While the varsity crew men were preparing for their coming tilts with the oarsmen from Marietta, the class crews were holding their annual encounter for possession of the Richards Cup. Earl Murphy, '34, stroked the Junior crew to an exciting win, leading the freshman boat by a scant two feet in the race which was held last Tuesday morning. The Sophomores were outdistanced, being three lengths behind the freshmen.

The varsity crews left yesterday morning for the West where they will try to redeem earlier defeats by beating unknown Marietta crews. The group comprising 18 oarsmen, 2 coxswains, and 2 managers will arrive in Ohio this morning, with the two crews testing the Ohio course in the afternoon.

Again the line-ups for the races have been revised, with Johnny West-

fall exchanging his place at No. 4 with Capt. Phil Cook at stroke. Coach Haines has found that the change has improved the rhythm of the boat. Regardless of the outcome of these tilts the outlook for next year is extremely promising, what with six Sophomores in the first boat and five in the second. Incidentally, plus seven Sophomores in the light boat, the second year men have carried more than their share of the crew burden this year.

Beginning the season with a flashing 10-0 win over B. U. the varsity lacrosse team has slowed down considerably and ended a rather drab schedule with a game against Williams yesterday. Despite the poor showing in later games, which was caused by poor weather hampering the condition of the men, the team played several close games which were lost through ill-fortune.

Having been rained out of their scheduled match with Brown last Wednesday, the varsity tennis team will play the postponed match next Tuesday at the Longwood Cricket Club if it is acceptable to the Brunonians. Meanwhile they will meet the crimson racquet wielders today at the Divinity courts.

Track followers will be interested to know that the varsity is journeying up to Durham, N. H. to meet the Wildcats tomorrow. The New Hampshire team holds the edge in the field events and the distance runs while the engineers hold the edge in the shorter events. Despite this probability the teams are well matched and the outcome is a toss-up.

WELLESLEY GIRLS PRESENT PROGRAM

(Continued from page one)
Stags Will Be Admitted
For the first time in the history of the clubs, stags will be admitted at this affair. The price of tickets has been placed at \$2.00 per couple and

- \$1.00 for stags.
- Included in the list of matrons will be Mrs. Karl Compton, Mrs. James Jack, Mrs. Leicester Hamilton, and Miss Margaret Christian of Wellesley.
- M. I. T. Banjo Club
- Moment Musical.....F. Schubert
- Over the Waves.....Rosas
- Soldiers' Farewell.....Seredy
- Wellesley Choir
- Song of the Hunt.....arr. by Persis Cox
- Jon. Come Kiss Me Now.....Old English Tune
- M. I. T. Glee Club
- Men of Old England.....arr. by Dunhill
- Lullaby.....Brahms
- Adrianus Te.....Pelestrina
- Laudamus.....Prothorpe
- Wellesley Choir and M. I. T. Glee Club
- Mother Moscow.....Tschennekoft
- M. I. T. Instrumental Club
-Kees
- Pique Dame, Overture.....J. Strauss
- Wellesley Choir
- My Spirit, Be Joyful.....Bach
- Love Songs—"Secret Noon in Shady Spot" and "No, There Is No Bearing These Spiteful Neighbors".....Brahms
- Wellesley Choir and M. I. T. Glee Club
- Come Again, Sweet Love.....Dowland
- Chorus of Homage.....Brahms

High Grade
TYPEWRITING
Wide experience in scientific work of all kinds. Statistics. Long carriage machine. Facilities for handling any quantity of work at short notice.
MISS A. I. DARLING
1384 Mass. Ave., Rooms 4-5
HARVARD SQUARE—Tel. Uni. 8750

"As long as We're Settling things

SUPPOSE YOU TELL ME WHY YOU SMOKE GRANGER"



© 1933 LIGGETT & MYERS TOBACCO CO. TEN CENTS The Granger pouch keeps the tobacco fresh

"WELL, it's like this. Back in the old days, when men wore high hats and frock coats, they had plenty of time to think things out, and they had sense, too. They used to sit down on a log and take the time to whittle their tobacco from a plug, to be sure of having a cool smoke.

"In those days, a man named Wellman, right here in Quincy, Ill., made about the best tobacco you could get. He knew how to keep the flavor fine and mellow.

"Well, sir, the people who make this Granger Rough Cut acquired Mr. Wellman's method, and they must have known how the old boys used to whittle their tobacco to make it smoke cool. Yes, sir, this Granger is the real stuff. The same mellowness and fine flavor that Wellman used to hand out to his friends. And it's whittled into big shaggy flakes all ready for the pipe. 'Rough Cut' they call it—'cut rough to smoke cool' is the best way I can describe it.

"Regardless of price, Granger is about the best pipe tobacco I ever smoked. That's why I smoke it, and that's why they call it America's Pipe Tobacco, sir."

Now we wanted to sell Granger for 10¢. It was just a question of how to do it for the price. So we pack Granger in a sensible foil pouch instead of an expensive package, knowing that a man can't smoke the package. We give smokers this good

GRANGER tobacco in a common-sense pouch for 10¢.

GRANGER has not been on sale very long, but it has grown to be a popular smoke. And there is this much about it—we have yet to know of a man who started to smoke it, who didn't keep on. Folks seem to like it.

Liggett & Myers Tobacco Co.

CALENDAR

Friday, May 12

- 1:00 P.M.—New England Council Luncheon Meeting, North Hall, Walker Memorial.
 - 5:00 P.M.—M. I. T. Radio Society Meeting, Room 10-275.
 - 8:00 P.M.—Combined Musical Clubs Concert and Dance, Walker Memorial.
- Monday, May 15
- 2:00 P.M.—Course XV Meeting, Faculty Dining Room, Walker Memorial.
- Tuesday, May 16
- 5:00 P.M.—Banjo Club Rehearsal, East Lounge, Walker Memorial.

MASQUE AWARDS \$50 FOR TECH SHOW BOOK

(Continued from page one)

Institute men will earn during the summer months.

This move was decided at the Masque banquet last Wednesday, at which the new members of the society were elected.

The following men were initiated to the society: Harold Bellinson, '34, Irving R. Kusnitz, '34, Robert L. Moody, '34, Warren L. Towle, '34, George G. Bull, '34, Paul Lappé, '34, John M. Hitchcock, '34, and Freeman B. Hudson, Jr., '34. Subsequent elections resulted in the election of Paul Lappé as president and Walter J. Hamburger, '21, as secretary-treasurer.

POWER PLANT USES 13,000 TONS OF COAL

(Continued from page one)

The coal bins used at the present hold 200 tons whereas at one time 2000 tons were stored yearly. But daily delivery with trucks has been found to be more convenient than the occasional carload delivery, thus doing away with the cumbersome and awkward methods of dumping huge loads.

Two main pipe lines lead the steam from the boilers to the buildings. A large 20-inch main in which the pressure varies from a partial vacuum to 2½ pounds is used to carry the steam which heats the main group of buildings. The dormitories, the Walker Memorial, President Compton's home

and the steam laboratories are taken care of by branches of an 8-inch main which leaves the boilers maintaining a pressure of 175 pounds. But each branch has valves which first reduce the pressure to 60 pounds. At the Walker Memorial the pressure is again reduced to 1 to 5 pounds. A comparatively high pressure continues on to the dorms where it also is reduced sufficiently to pass through the radiators.

COACH RAWSON IS VET OF 200 BOUTS

(Continued from page one)

night bouts at the Boston Athletic Association.

When the night came the fellow couldn't be found anywhere; he was a victim of a severe attack of cold feet. Tommy Rawson substituted for him that night. On the way over to the fight, he lost three pounds from merely thinking about it. During the tournament he met several fairly good fighters and beat them all.

He weighed in at 116 pounds that night, and fought mostly in the 115 pound class. He won over the A. A. U. 115 champion in the finals of the

tournament. In the next year he beat eighteen amateurs, and some very good ones at that. Among those he beat was the 125 pound champion.

In August, 1906, he was working as an electrician in the new Houghton Dutton building in Boston. While he was connecting some wires with heavy voltage he took several thousand volts. He was out of the fight game for four months, so his next major fight was not until December.

For some time he worked during the daytime as an electrician, and did all his training and fighting at night. In all, he has fought in about two hundred and fifty fights, and lost only six decisions. He has an excellent record, for he has never once been knocked out.

He fought up to the age of forty-one, when a fighter is supposed to be an old man. He has been doing coaching work ever since, and gets a great kick out of instructing fellows in his own game. Around 1923 he was coaching in the Bunker Hill Boys' Club, when Coach H. P. McCarthy of the Institute asked him if he would take the job of coaching the boxing team here.

He accepted the job gladly, and has

been doing good work here ever since. He has had several excellent fights and he surely knows how to handle them. Out on the gym floor, in practice, he watches the boys closely; one of them is losing his fight. Tommy Rawson is right out there with him, showing him just how to improve. If the fellow doesn't seem to respond, the coach just kids along until he gets the idea.

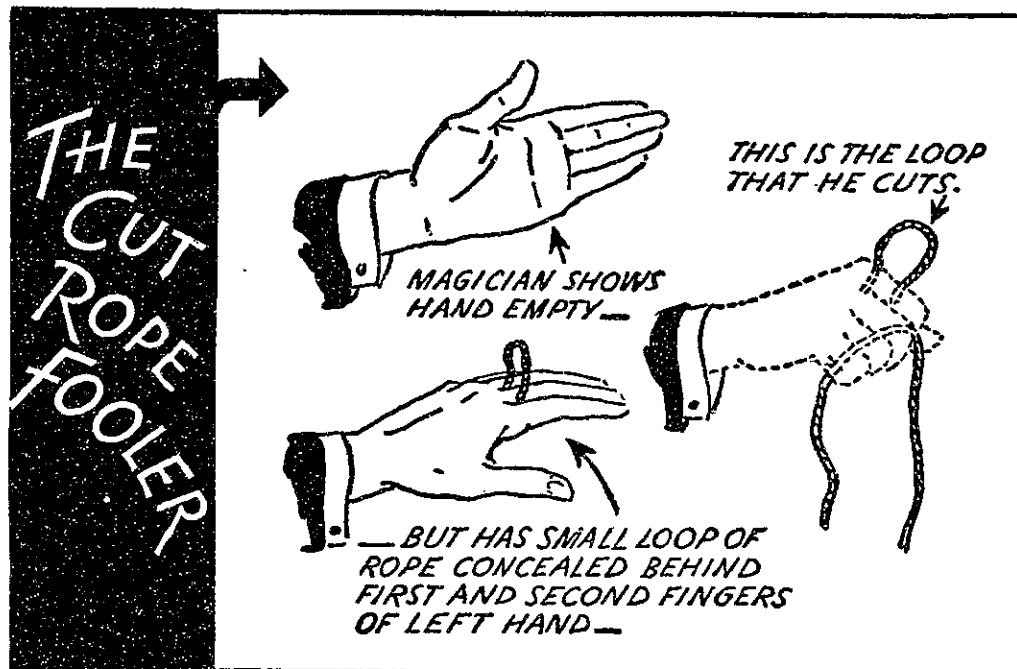
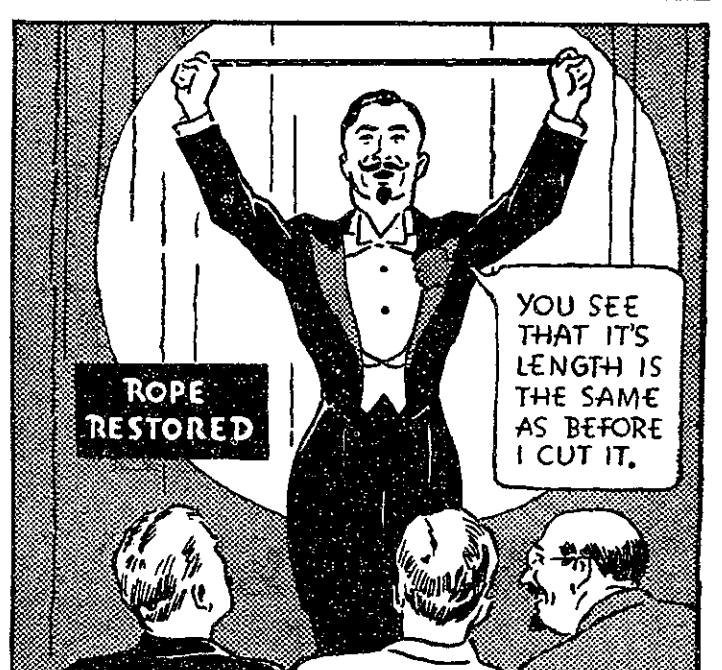
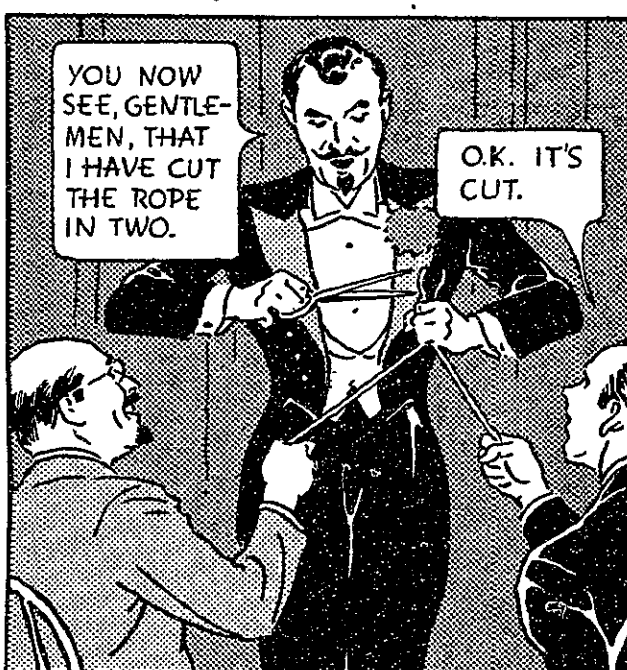
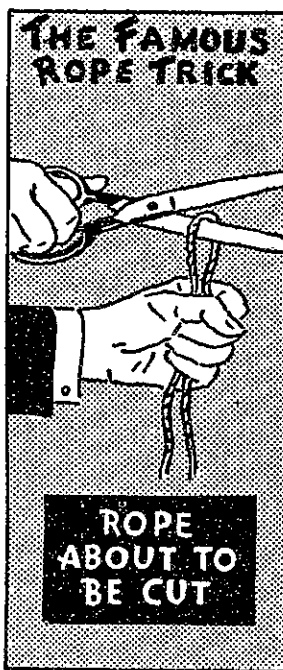
Walton Lunch Co.

Morning, Noon and Night
You will find All Tech at
78 Massachusetts Avenue
CAMBRIDGE

QUICK SERVICE
APPETIZING FOOD
POPULAR PRICE
QUALITY FIRST
ALWAYS
That's
Walton's

1080 Boylston Street
Convenient to Fraternity Men

IT'S FUN TO BE FOOLED... TODAY'S SHOW CUT ROPE MADE WHOLE AGAIN



It's more fun to know

Camels are made from finer, MORE EXPENSIVE tobaccos than any other popular brand. They are milder, easy on the throat... a better smoke. It's the tobacco that counts.

A MATCHLESS BLEND

NO TRICKS IN CAMELS — JUST COSTLIER TOBACCOS

Copyright, 1935, R. J. Reynolds Tobacco Company